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Dec 76

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Water Resources Data for Alaska

Water Year 1975

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AK-75-1

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Water resources data for the 1975 water year for Alaska consist of records of stage, discharge, and water quality of streams; stage and water quality of lakes; and water levels and water quality in wells and springs. This report contains discharge records for 107 gaging stations; stage only records for 2 gaging stations; water quality for 31 stations; and water levels for 19 observation wells. Also included are 85 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements of discharge, lake stage, or water quality. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Alaska.

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CALENDAR FOR WATER YEAR 1975

1974

OCTOBER

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NOVEMBER

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DECEMBER

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1975

JANUARY

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AUGUST

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SEPTEMBER

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Water Resources Data
for
Alaska

Water Year 1975

U.S. DEPARTMENT OF THE INTERIOR
MARCH 3, 1849

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AK-75-1

**Prepared in cooperation with the State of Alaska
and with other agencies**

PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Alaska and with other agencies by personnel of the Alaska district of the Water Resources Division under the supervision of Harry Hulsing, District Chief, and W. H. Robinson, Regional Hydrologist, Western Region.

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

UNITED STATES DEPARTMENT OF THE INTERIOR

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

Prepared in cooperation with

Alaska Department of Highways in cooperation with the Federal Highway Administration, U.S. Department of Transportation
Alaska Department of Fish and Game
Alaska Department of Natural Resources
Alaska Department of Environmental Conservation
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Anchorage, Alaska 99501
1976

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(Letters after station name designate type of data:
(c) chemical, (t) water temperature, (s) sediment)

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WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

(Letters after station name designate type of data:
(c) chemical, (t) water temperature, (s) sediment)

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Section 1. Surface-Water Records
Section 2. Water-Quality Records
Section 3. Ground-Water Records

INTRODUCTION

Water resources data for the 1975 water year for Alaska consist of records of stage, discharge, and water quality of streams; stage and water quality of lakes; and water levels and water quality of wells and springs. This report contains discharge records for 107 gaging stations; stage only records for 2 gaging stations; water quality for 31 gaging stations; and water levels for 19 observation wells. Also included are data for 85 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements of discharge, lake stage, and water quality. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Alaska.

Records of discharge (or stage) of streams, contents (or stage) of lakes, chemical quality, water temperature, and suspended sediment were published in U.S. Geological Survey water-supply papers (WSPs). Through September 30, 1960, these data were published in a series of WSPs entitled, "Quantity and Quality of Surface Waters of Alaska" (through 1950, 1951-53, 1954-56, 1957, 1958, 1959, 1960). Since 1960, streamflow records and related data were published for Part 15, Alaska, in a 5-year series of WSPs for 1961-65 and 1966-70 entitled, "Surface Water Supply of the United States." Water-quality records were published in a WSP as "Quality of Surface Waters of Alaska, 1961-63" and after then until 1970 in an annual series of WSPs entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1949 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

Beginning with the 1961 water year and continuing through water year 1974, streamflow data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be released on a State-boundary basis in final form and will not be republished in the water-supply paper series. The 1975 and subsequent water year reports will be in a series which will carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report AK-75-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22151. For more information on publications available, see "Publications" on subsequent pages.

COOPERATION

The U.S. Geological Survey and organizations of the State of Alaska have had cooperative agreements for the systematic collection of streamflow and water-quality records since 1958. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Alaska Department of Highways in cooperation with the Federal Highway Administration, U.S. Department of Transportation, Bruce A. Campbell, commissioner, succeeded by Walter B. Parker.

Alaska Department of Fish and Game, James W. Brooks, commissioner.

Alaska Department of Natural Resources, Charles F. Herbert, commissioner, succeeded by Guy R. Martin.

Alaska Department of Environmental Conservation, Max C. Brewer, commissioner, succeeded by Ernst Mueller.

Greater Anchorage Area Borough, John R. Roderick, mayor.

City and Borough of Juneau, William Macomber, mayor.

Kenai Peninsula Borough, Stanley F. Thompson, chairman.

Fairbanks North Star Borough, John A. Carlson, mayor.

City of Anchorage, George M. Sullivan, mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army; Forest Service, U.S. Department of Agriculture; Alaska Power Administration, U.S. Department of the Interior; Alaskan Air Command, U.S. Air Force; Public Health Service, U.S. Department of Health, Education and Welfare; Bureau of Indian Affairs, U.S. Department of the Interior; and Environmental Protection Agency.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows. See also table for converting English Units to International System (SI) units on page 32.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic metres.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material is the shifting portion of fragmented material of which the stream is composed.

Benthic organisms (invertebrates) are animals inhabiting the bottom of an aquatic environment. They include a number of different types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are frequently used as indicators of environmental quality because many have restricted mobility during their aquatic life phase, as well as a relatively long lifespan which allows for response to prevailing and changing water-quality conditions. Many benthic organisms inhabit specific types of environments which, if changed, result in changes in the composition of the benthic community.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per litre, used for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area of volume of habitat.

Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic metre), and periphyton and benthic organisms in g/m^2 (grams per square metre).

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weight.

Organic weight or volatile weight of the living substance is the difference between the dry weight and the ash weight, and represents the actual weight of the living matter. The organic weight is expressed in the same units as for ash and dry weights.

Wet weight is the weight of living matter plus contained water.

Carotene refers to any of several yellow to red pigments occurring in plants and in the fatty tissues of plant-eating animals.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inch from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 millilitre is determined by the immediate or delayed incubation membrane filter method. (See Bacteria on page 3.)

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (CFS, cfs or ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic metres per second.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a given time.

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometre membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

Diversity index is a numerical rating of the variety of the aquatic organisms. The greater the number of different types of organisms, the greater the diversity. The formula for diversity index is $d = -\Sigma \frac{ni}{n} \log_2 \frac{ni}{n}$, where ni is the number of individuals per taxon, and n is the total number of individuals.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Macrophytes are large macroscopic plants in the aquatic environment. The most commonly occurring macrophytes are the rooted vascular plants that are usually arranged in zones and delineated by the extent of illumination and sedimentation. The dominant plant forms in these environmental gradients are (1) submersed rooted aquatics, (2) floating leaved, rooted aquatics, (3) emersed rooted aquatics, and (4) marginal mats. Growth of aquatic macrophytes depends on the availability of nutrients. In some waters nutrient enrichment results in excessive growth of macrophytes, and this accelerated productivity often results in a major nuisance condition and an important water-quality problem.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-pupa-adult or egg-nymph-adult.

Methylene blue active substances (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per litre (UG/L, µg/l) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre.

Milligrams per litre (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, page 8. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per litre of watersediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 2, page 8.

Nekton are the consumers of the aquatic environment consisting of large free-swimming organisms that are capable of sustained, directed mobility. The nekton community consists primarily of fish. In some lakes and streams fish are at the upper end of the food chain, and are often the most economically important organisms to man. Because they are dependent upon the life forms below them for food, the wellbeing of a fish population often is used as an index to water quality, and to the well-being of other aquatic organisms.

Organic carbon is carbon incorporated into organic molecules from carbon dioxide, through the process of photosynthesis.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multi-celled and are counted according to the number of contained cells per sample volume, usually millilitres (ml) or litres (l).

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter.

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*....	0.11119	Iodide (I^{-1}).....	0.00788
Ammonia as NH_4^{+1}....	.05544	Iron (Fe^{+3})*.....	.05372
Barium (Ba^{+2}).......	.01456	Lead (Pb^{+2})*.....	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*..	.14411
Bromide (Br^{-1})......	.01251	Magnesium (Mg^{+2}).	.08226
Calcium (Ca^{+2}).......	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})...	.03333	Nickel (Ni^{+2})*...	.03406
Chloride (Cl^{-1}).....	.02821	Nitrate (NO_3^{-1})..	.01613
Chromium (Cr^{+6})*....	.11539	Nitrite (NO_2^{-1})..	.02174
Cobalt (Co^{+2})*......	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*.......	.03148	Potassium (K^{+1})..	.02557
Cyanide (CN^{-1})*.....	.03844	Sodium (Na^{+1})....	.04350
Fluoride (F^{-1})......	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})......	.99209	Sulfate (SO_4^{-2})..	.02082
Hydroxide (OH^{-1})....	.05880	Zinc (Zn^{+2})*.....	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Table 2.--Factors for conversion of sediment concentration in milligrams per liter to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/ml and a specific gravity of sediment of 2.65.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square metres (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually millilitres (ml) or litres (l). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimetres (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)		Method of analysis
Clay..........	0.00024	0.004	Sedimentation.
Silt..........	.004	.062	Sedimentation.
Sand..........	.062	2.0	Sedimentation or sieve.
Gravel........	2.0	64.0	Sieve.

The particle-size distribution given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular of colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per 100 ml of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per 100 ml of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Primary production is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [mg(C/m^2)/time for periphyton and macrophytes and mg(C/m^3/time for phytoplankton] are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg(O_2/m^2)/time for periphyton and macrophytes and mg(O_2/m^3)/time for phytoplankton] are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day depending on the incubation period.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended-sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

Suspended-sediment-discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per litre of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Seston is the total suspended particulate matter in water. The concentration of particulate matter has a profound effect upon the optical properties of the water, and upon the concentration of dissolved materials in the water. Their concentrations are expressed in milligrams per litre (mg/l).

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos per cm at 25°C). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff." Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The use of artificial substrates simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per litre by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Turbidity of water is a measure of the reduction of transparency due to the presence of suspended particulate matter and is expressed in Jackson turbidity units.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in stream quality.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides includes insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's, there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic pesticide compounds. The United States annually produces about 1 billion pounds of these compounds. Although efforts are being made to substitute many of the chlorinated hydrocarbon pesticides with more specific, fast-acting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected monthly or twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Radioisotopes that are determined in this program are natural uranium in μg/l (micrograms per litre), radium as radium 226 in PC/L, (pCi/l, picocuries per litre), gross beta radiation as equivalent strontium/yttrium-90 or cesium-137 in PC/L, and gross alpha radiation as micrograms of uranium equivalent per litre (μg/l). Gross alpha and beta radioactivity associated with the fine grained (silt and clay sized) sediments in the samples are also determined.

A picocurie (PC,pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

DOWNSTREAM ORDER AND STATION NUMBER

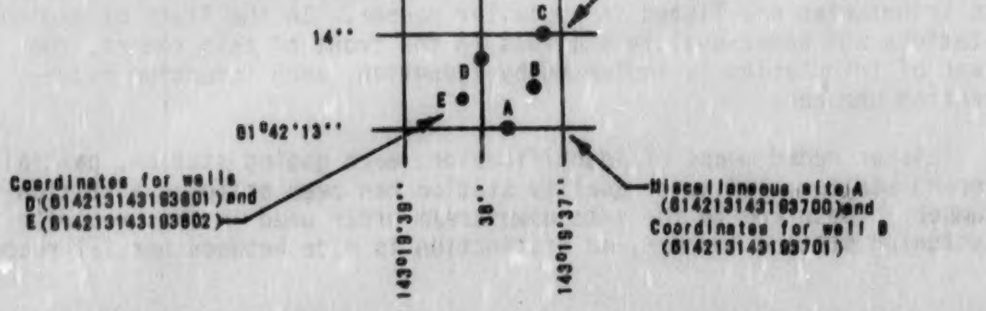
Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above the mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report, the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 15303600, which appears just to the left of the station name includes the 2-digit part number "15" plus the 6-digit downstream order number "303600."

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

Downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location and an unique number of 15 digits for each site. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and a miscellaneous site are the same, the sequential number "00" is used for the miscellaneous site and "01" for the well. If there are additional sites or wells with identical latitude-longitude coordinates, additional sequence numbers "02," "03," etc. are used. See figure below.


61°42'15''
Coordinates for miscellaneous site C (614214143193700)
C
14''
D
B
E
A
61°42'13''
Coordinates for wells D (614213143193801) and E (614213143193802)
Miscellaneous site A (614213143193700) and Coordinates for well B (614213143193701)
143°19'39''
38''
143°19'37''

EXPLANATION OF SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams and stage of lakes. In addition, observations of factors affecting the stage-discharge relation, weather records, and other information are used to supplement base data in determining the daily flow. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 20-, or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, Book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams a table showing the daily discharge is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea level datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge and the maximum gage height, the minimum discharge if there is little or no regulation and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if the minimum discharge cannot be determined. In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record": the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if most of the flow is from a spring.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

Data collected at partial-record stations and miscellaneous sites are given in two tables at the end of the surface-water records in this report. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at miscellaneous sites. Lake-level data collected at miscellaneous selected lakes are tabulated also.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy. "Estimated" means that the total discharge for the period could be 25 percent or more in error.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Publications

In each water-supply paper containing streamflow data for Alaska there is a list of numbers of preceding water-supply papers. Records for stations in Alaska for the period October 1960 to September 1965 are in Water-Supply Paper 1936.

Two summary reports of the surface-water supply of Alaska have been published; the first covers the entire period of record through September 1950 and the second covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in prior water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Alaska are compiled in Water-Supply Paper 1372 through September 1950 and in 1740 for October 1950 to September 1960.

Information relative to special reports and outstanding floods in Alaska may be obtained from the district office. Special flood reports include:

Childers, J.M., and Meckel, J.P., 1967, Flood of August 1967 at Fairbanks, Alaska: U.S. Geol. Survey Hydrol. Inv. Atlas HA-294.

Childers, J.M., Meckel, J.P., and Anderson, G.S., 1972, Floods of August 1967 in east-central Alaska: U.S. Geol. Survey Water-Supply Paper 1880-A, 77 p.

Lamke, R.D., 1972, Floods of the summer of 1971 in south-central Alaska: U.S. Geol. Survey open-file report, 88 p.

Post, Austin, and Mayo, L.R., 1971, Glacier dammed lakes and outburst floods in Alaska: U.S. Geol. Survey Hydrol. Inv. Atlas HA-455.

Special analytical reports include:

Childers, J.M., 1970, Flood frequency in Alaska: U.S. Geol. Survey open-file report, 30 p.

_____1970, A proposed streamflow data program in Alaska: U.S. Geol. Survey open-file report, 55 p.

Feulner, A.J., Childers, J.M., and Norman, V.W., 1971, Water resources of Alaska: U.S. Geol. Survey open-file report, 60 p.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is filed in the subdistrict offices at Anchorage, Fairbanks, and Juneau for their areas of responsibility. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

EXPLANATION OF WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical, biological, and microbiological quality, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. The biological information includes qualitative and quantitative analyses of plankton, bottom organisms particulate inorganic and amorphous matter present. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder (thermograph) furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment and bed material.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in milligrams per litre (mg/l) and water temperatures in degrees Celsius (°C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. Temperatures reported in degrees Celsius may be converted to degrees Fahrenheit by using table 3, page 24.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 3 and table for converting English Units to SI Units, p. 32.)

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. The method for determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar, Lamar, Goerlitz, and Law, and Goerlitz and Brown. The collection and analysis of aquatic, biological, and microbiological samples are described by Slack and others.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between the reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for surface-water stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Table 3.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

At some stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment and bed material are included. Also, specific conductance is included for most samples and turbidity for some samples.

Publications

The water-supply papers that contain information on quality of surface waters in Alaska are listed below.

Water year(s)	WSP No.	Water year(s)	WSP No.
1948-50	1372	1964	1959
1951-53	1466	1965	1966
1954-56	1486	1966	1996
1957	1500	1967	2016
1958	1570	1968	2100
1959	1640	1969	2150
1960	1720	1970	*2160
1961-63	1953	1971	*2170

* In press

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection and reporting of the data

Only ground-water level data for Alaska from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude shown on page 16, and (2) an Alaska register number, such as AK 114, that is provided for continuity with older reports and for other use as dictated by local needs.

The rectangular subdivision of public lands is also used to identify wells. The first two letters indicate the principal meridian and the quadrant formed by the intersection of the base line and the principal meridian. The first three digits indicate the township in which the well is located, the next three digits the range, and the following two digits the section. Letters following the section number indicate the quarter section, the quarter-quarter section, and so forth to the fourth order subdivision. Each of these subdivisions is lettered counter-clockwise, from the northeast corner. Each well within the smallest order of subdivision is then given a sequential number. Finally, each well within a section is assigned a sequential map number using the last three digits. Thus, SB00601115BCAD1 001 indicates the Seward meridian (S), the northwest quadrant (B), township 6 north, range 11 west, section 15; and the well is in the SE¼ of the NE¼ of the NW¼ of the section (BCAD). It was the first well in the 2.5 acre "D" subdivision assigned a sequential number (1). It was also the first well plotted in the 1 square-mile section (001).

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet above (+) or below land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. Once this datum is arbitrarily selected at each observation well, it is not changed. An approximate altitude of the land-surface datum above mean sea level (msl) is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month except when the recorder was not functioning properly. Other reported measurements represent a single sampling during the day.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot.

Publications

Publication of ground-water level data for Alaska in water-supply papers was begun by the Geological Survey in 1949. Separate water-supply papers were issued for 6 sections of the United States through 1974. Water-level data for Alaska are in the water-supply papers listed below, each report containing several calendar years (January-December) of data. Data in this report are for the 12-month water year ending September 30.

Calendar year(s)	WSP No.
1949-60	1760
1961-65	1845
1966-70	1980
1971-October 1974	2161 (being compiled)

Information about areal and other analytical ground-water reports and studies in Alaska is available at the subdistrict and district offices. Also, additional information than that published for the wells in this report and for other wells not in this report is on file at the subdistrict offices in Anchorage, Fairbanks, and Juneau for their geographic areas of responsibility.

HYDROLOGIC CONDITIONS

Streamflow was much above average for the water year in Southeastern Alaska. Above average runoff for the water year occurred in the coastal streams along the Gulf of Alaska, the Copper River basin, most streams that head in the Alaska Range and Talkeetna Mountains, and in the main stem of the Yukon River. Streamflow in the Anchorage area was normal despite the late season rains that increased flow in the lowland streams. Flow was below the yearly average within Southwest Alaska, the Koyukuk River basin, the Arctic Slope and in the Chena and Salcha River basins near Fairbanks.

The 1974 autumn and 1975 summer months in Southeast Alaska had above average precipitation although there were no record breaking peak discharges. Winstanley Creek, Harding River and Fish Creek which are east and northeast of Ketchikan, had peak discharges on October 8, 1974 that were the second or third highest in periods of flood record ranging from 24 to 54 years. Skagway River at Skagway, West Creek near Skagway, and Power Creek near Cordova had high water in September 1975. Precipitation during May caused minor flooding in the local streams originating north of Fairbanks. Hess Creek had a peak discharge on May 13 which was twice as high as the highest peak previously recorded in the 5 years of record. The May peaks on the Salcha and Chena Rivers were the highest since the 1967 flood. The July 10 peak discharges of the small streams in the Nome area were the highest in 7 to 12 years of peak record. A peak discharge occurred September 19, 1975 on Jim River near Bettles which was the highest in 5 years of record and was unusually late in the year for a stream this far north.

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Table 4.--Factors for converting English units to International System units (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
miles (mi)	1.609	kilometres (km)
	Area	
acres	4047	square metres (m^2)
	.4047	hectares (ha)
	.4047	square hectometres (hm^2)
	.004047	square kilometres (km^2)
square miles (mi^2)	2.590	square kilometres (km^2)
	Volume	
cubic feet (ft^3)	28.32	cubic decimetres (dm^3)
	.02832	cubic metres (m^3)
cfs-days (ft^3/s-days)	2447	cubic metres (m^3)
	2.447×10^{-3}	cubic hectometres (hm^3)
acre-feet (acre-ft)	1233	cubic metres (m^3)
	1.233×10^{-3}	cubic hectometres (hm^3)
	1.233×10^{-6}	cubic kilometres (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm^3/s)
	.02832	cubic metres per second (m^3/s)
	Mass	
Ton (short)	.9072	tonnes (t)

SECTION 1 SURFACE WATER RECORDS

15011500 Red River near Metlakatla

LOCATION.--Lat 55°08'29", long 130°31'50", in Tongass National Forest, on left bank, 0.2 mi (0.3 km) upstream from mouth at northeast end of Marten Arm of Boca De Quadra, and 41 mi (66 km) east of Metlakatla.

DRAINAGE AREA.--45.3 mi² (117.3 km²).

PERIOD OF RECORD.--August 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5 ft (1.5 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 585 ft³/s (16.57 m³/s), 175.37 in/yr (4,454 mm/yr), 423,800 acre-ft/yr (523 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 8,500 ft³/s (241 m³/s) Oct. 8, gage height, 9.60 ft (2.926 m) from rating curve extended above 1,400 ft³/s (40 m³/s); minimum daily, 45 ft³/s (1.27 m³/s) Feb. 13, 14.
Period of record: Maximum discharge, 11,700 ft³/s (331 m³/s) Dec. 31, 1963, gage height, 10.66 ft (3.249 m), from rating curve extended above 1,400 ft³/s (40 m³/s); minimum daily, 21 ft³/s (0.59 m³/s) Jan. 11, 1966.

REMARKS.--Records poor. Periodic high tides cause backwater at the gage and are shown on the stage record. Water quality data for the current year are published in Section 2 of this report.

REVISIONS(WATER YEARS).--WRD Alaska 1970: 1964 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4660	864	400	600	110	100	150	350	800	748	540	214
2	1940	1720	300	500	100	100	140	400	1000	984	575	460
3	982	1500	280	400	90	100	140	450	1200	1210	400	448
4	521	2000	260	300	80	120	140	550	1500	1210	460	1000
5	560	2500	250	250	70	140	150	750	2000	946	630	3010
6	4430	2000	270	200	65	130	140	600	1800	826	1440	827
7	2410	1500	400	170	60	120	130	550	1400	1200	725	535
8	7850	1000	1000	140	55	110	130	500	1200	1150	476	396
9	3000	1300	600	130	55	100	140	600	900	1100	710	342
10	785	1400	600	120	50	100	150	1000	1200	1050	1110	279
11	1120	1000	500	110	50	110	200	1600	1000	760	595	225
12	1540	600	400	100	50	120	300	2000	1100	600	392	208
13	611	450	350	100	45	140	300	1400	1500	480	354	195
14	1770	350	300	95	45	160	280	1000	1700	510	354	223
15	4480	300	350	95	50	180	280	900	1300	515	333	250
16	1450	270	400	90	60	170	300	800	800	452	309	230
17	765	240	700	95	70	150	350	900	940	464	333	175
18	3380	220	600	130	80	140	600	1000	1250	456	282	150
19	2000	200	1000	300	150	130	700	800	1450	580	309	142
20	1400	180	800	600	400	120	500	600	1300	690	282	142
21	1000	160	600	350	300	120	400	700	1000	485	297	142
22	3440	150	450	450	250	110	360	800	850	384	273	138
23	1300	140	350	900	200	110	340	700	850	656	210	134
24	550	130	700	700	180	130	320	600	772	1070	193	350
25	400	130	2000	342	160	150	320	500	650	2440	173	877
26	360	130	1300	230	140	140	400	500	610	1790	183	1070
27	828	150	900	203	120	130	600	550	665	1150	178	779
28	625	200	600	166	110	120	500	700	690	742	220	807
29	507	400	500	148	---	120	400	1000	655	575	188	685
30	492	700	500	134	---	110	350	800	650	420	164	748
31	899	---	800	121	---	120	---	750	---	448	154	---
TOTAL	56055	21884	18660	8269	3195	3900	9210	24350	32732	26099	12842	15189
MEAN	1808	729	602	267	114	126	307	785	1091	842	414	506
MAX	7850	2500	2000	900	400	180	700	2000	2000	2440	1440	3010
MIN	360	130	250	90	45	100	130	350	610	384	154	134
CFSM	39.9	16.1	13.3	5.89	2.52	2.78	6.78	17.3	24.1	18.6	9.14	11.2
IN.	46.03	17.97	15.32	6.79	2.62	3.20	7.56	20.00	26.88	21.43	10.55	12.47
AC-FT	111200	43410	37010	16400	6340	7740	18270	48300	64920	51770	25470	30130

CAL YR 1974 TOTAL 234000 MEAN 641 MAX 7850 MIN 30 CFSM 14.2 IN 192.15 AC-FT 464100
WTR YR 1975 TOTAL 232305 MEAN 637 MAX 7850 MIN 45 CFSM 14.1 IN 190.83 AC-FT 460900

PEAK DISCHARGE (BASE, 5,500 CFS).--Oct. 8 (1200) 8,500 ft³/s (9.60 ft)

NOTE.--No gage-height record Nov. 3 to June 13.

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15012000 Winstanley Creek near Ketchikan

LOCATION.--Lat 55°24'59", long 130°52'03", in Tongass National Forest, on right bank 0.3 mi (0.5 km) downstream from Lower Winstanley Lake, 1.1 mi (1.8 km) upstream from mouth at East Behn Canal, and 31 mi (50 km) east of Ketchikan.

DRAINAGE AREA.-- 15.5 mi^2 (40.1 km^2).

PERIOD OF RECORD.--August 1936 to September 1938 (monthly discharge only, published in WSP 1372), August 1947 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 290 ft (88 m) by barometer.

AVERAGE DISCHARGE.--30 years, 159 ft^3/s (4.503 m^3/s), 139.30 in/yr (3.538 mm/yr), 115,200 acre-ft/yr (142 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,910 ft^3/s (82.4 m^3/s) Oct. 9, gage height, 5.83 ft (1.777 m) from rating curve extended above 1,200 ft^3/s (34.0 m^3/s); minimum daily, 18.0 ft^3/s (0.51 m^3/s) Feb. 14.
Period of record: Maximum discharge, 4,120 ft^3/s (117 m^3/s) Jan. 30, 1962, gage height, 6.65 ft (2.027 m), from rating curve extended above 1,200 ft^3/s (34.0 m^3/s); minimum, 4.2 ft^3.s (0.12 m^3/s) Jan. 12, 1966 and Feb. 25, 1969.

REMARKS.--Records fair except those for Jan. 31 to Apr. 7, which are poor. Upper and Lower Winstanley Lakes above the gage have areas of 465 acres (1.88 km^2) and 175 acres (0.708 km^2), respectively.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	135	161	219	50	38	60	100	217	154	143	45
2	683	218	138	180	40	38	60	107	252	163	148	58
3	483	328	117	151	35	38	55	119	283	201	145	82
4	325	421	103	121	32	45	55	138	340	250	138	145
5	245	455	106	102	30	55	60	159	408	259	152	496
6	635	416	111	86	28	50	60	160	415	234	209	559
7	872	372	157	76	25	45	54	140	348	217	244	347
8	1780	339	304	65	23	45	53	124	272	241	193	241
9	2060	332	299	55	22	40	53	147	225	240	175	172
10	753	338	243	48	21	40	57	279	249	232	224	134
11	405	293	199	43	20	45	74	395	253	214	258	108
12	392	215	156	43	19	50	100	401	237	180	207	89
13	332	156	123	42	19	55	98	318	338	151	156	78
14	299	122	126	40	18	70	91	248	381	132	124	73
15	758	107	133	38	19	75	89	229	322	120	105	76
16	599	112	213	36	20	70	91	224	272	112	90	76
17	359	104	216	43	30	60	100	219	245	108	81	70
18	516	90	220	52	40	55	149	222	244	108	74	63
19	612	82	296	90	60	55	164	203	272	126	67	58
20	519	73	266	133	110	50	146	167	288	164	65	52
21	336	65	201	138	90	50	122	164	256	180	69	47
22	403	58	145	141	80	45	108	172	234	152	77	43
23	449	55	137	217	70	45	102	163	208	140	77	39
24	304	54	274	267	60	50	97	145	197	215	69	41
25	206	52	484	208	50	60	91	130	181	252	62	76
26	151	54	379	148	45	60	119	127	169	360	56	161
27	135	75	259	114	45	55	126	129	161	439	50	230
28	135	107	183	107	40	50	114	151	159	368	50	211
29	135	203	191	91	---	50	107	202	156	278	50	221
30	120	204	174	60	---	45	99	208	154	206	47	241
31	119	---	243	60	---	55	---	201	---	163	45	---
TOTAL	15632	5635	6357	3222	1141	1584	2754	5891	7736	6359	3650	4332
MEAN	504	188	205	104	40.8	51.1	91.8	190	258	205	118	144
MAX	2060	455	484	267	110	75	164	401	415	439	258	559
MIN	119	52	103	36	18	38	53	100	154	108	45	39
CFSM	32.5	12.1	13.2	6.71	2.63	3.30	5.92	12.3	16.6	13.2	7.61	9.29
IN.	37.51	13.52	15.26	7.73	2.74	3.80	6.61	14.14	18.57	15.26	8.76	10.40
AC-FT	31010	11180	12610	6390	2260	3140	5460	11680	15340	12610	7240	8590

CAL YR 1974 TOTAL 65597.6 MEAN 180 MAX 2060 MIN 8.1 CFSM 11.6 IN 157.42 AC-FT 130100
WTR YR 1975 TOTAL 64293.0 MEAN 176 MAX 2060 MIN 18 CFSM 11.4 IN 154.29 AC-FT 127500

PEAK DISCHARGE (BASE, 650 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-02	0030	3.49	724	10-19	1730	3.38	660
10-09	0100	5.83	2,910	09-05	2200	3.48	670
10-15	1200	3..75	880				

NOTE.--No gage-height record Jan. 31 to Apr. 7.

15022000 Harding River near Wrangell
(Hydrologic bench-mark station)

LOCATION.--Lat 56°12'50", long 131°38'14", in Tongass National Forest, on right bank 1 mi (1.6 km) upstream from mouth on north shore of Bradfield Canal, 4 mi (6 km) downstream from Fall Lake, and 34 mi (55 km) southeast of Wrangell.

DRAINAGE AREA.--67.4 mi² (175 km²).

PERIOD OF RECORD.--August 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6 m) by barometer.

AVERAGE DISCHARGE.--24 years, 736 ft³/s (20.84 m³/s), 148.29 in/yr (3,767 mm/yr), 533,200 acre-ft/yr (657 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 11,700 ft³/s (331 m³/s) Oct. 8, gage height, 14.50 ft (4.420 m); minimum daily, 60 ft³/s (1.70 m³/s) Feb. 14.
Period of record: Maximum discharge, 15,000 ft³/s (425 m³/s) Oct. 14, 1961, gage height, 16.22 ft (4.944 m) from rating curve extended above 5,000 ft³/s (140 m³/s) on basis of slope-area measurement at gage height, 13.90 ft (4.237 m); minimum not determined.

REMARKS.--Records fair except those for Jan. 7 to Apr. 10, which are poor. Some diurnal fluctuation caused by glacier melt at source. Water quality data for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5600	419	195	210	90	130	130	180	938	1470	1760	698
2	2070	874	160	173	85	120	130	204	1220	1980	1640	1150
3	980	1990	128	140	80	120	120	265	1310	3670	1270	1200
4	575	1730	114	130	75	130	130	375	1290	3050	1110	1570
5	444	1120	108	124	70	140	140	445	1360	2280	1120	2230
6	4750	804	106	114	70	130	140	410	1300	1630	1380	1760
7	2650	672	124	110	70	130	130	338	1070	2410	1530	1670
8	8440	569	301	100	70	120	130	289	896	2870	1310	1460
9	2570	530	376	100	70	110	140	330	777	2770	1310	1620
10	994	513	371	90	65	100	170	1300	917	2610	2160	1030
11	641	460	318	90	65	110	204	1800	987	2530	2810	737
12	931	390	249	90	65	110	201	1610	875	1780	1540	685
13	622	335	187	85	65	120	189	1090	1120	1520	1340	698
14	672	253	160	85	60	130	175	805	1470	1330	1310	1060
15	3290	235	158	80	65	150	162	750	1350	1420	1340	959
16	2280	253	158	85	65	140	155	757	1190	1370	1320	698
17	846	214	160	90	65	130	160	764	1130	1270	1300	552
18	2040	181	148	90	65	120	293	712	1160	1240	1200	530
19	4930	163	146	100	70	120	338	574	1340	1260	1080	558
20	1540	146	143	110	80	110	245	440	1510	1300	973	575
21	931	124	133	130	100	110	189	400	1450	1380	1150	635
22	2030	112	112	160	120	110	196	480	1180	1270	900	628
23	1900	106	102	200	150	120	162	440	1150	1240	780	635
24	832	104	131	250	200	130	160	400	1270	2180	575	672
25	546	102	265	300	200	130	160	370	1150	2350	546	692
26	666	98	284	250	170	120	168	350	1140	2160	524	966
27	1140	102	238	200	150	110	180	450	1060	2290	586	797
28	846	108	173	150	130	100	175	574	980	1680	672	653
29	641	176	158	130	---	100	170	805	1180	1310	757	804
30	492	207	153	110	---	110	170	875	1250	1150	647	1500
31	419	---	179	100	---	120	---	875	---	1290	588	---
TOTAL	58108	13090	5730	4192	2630	3730	5206	19457	35000	58060	35810	29422
MEAN	1874	436	185	135	93.9	120	174	628	1167	1873	1155	981
MAX	8440	1990	376	300	200	150	338	1800	1510	3670	2160	2230
MIN	419	98	102	80	60	100	120	180	777	1150	524	530
CFSM	27.8	6.47	2.74	2.00	1.39	1.78	2.58	9.32	17.3	27.8	17.1	14.6
IN.	32.07	7.22	3.17	2.31	1.45	2.06	2.87	10.74	19.32	32.04	19.76	16.24
AC-FT	115300	25960	11300	8310	5220	7400	10330	38590	69420	115200	71030	58360

CAL YR 1974 TOTAL 286973 MEAN 786 MAX 8440 MIN 63 CFSM 11.7 IN 158.39 AC-FT 569200
WTR YR 1975 TOTAL 270443 MEAN 741 MAX 8440 MIN 60 CFSM 11.0 IN 149.26 AC-FT 536400

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-01	1300	12.20	7,720	10-08	1200	14.50	11,700
10-06	1745	13.03	9,050	10-19	0115	11.31	6,370

15031000 Long River above Long Lake near Juneau

LOCATION.--Lat 58°10'56", long 133°53'06", in NE¼SE¼ sec.36, T.42 S., R.70 E., City and Borough of Juneau, in Tongass National Forest, on left bank 3 mi (5 km) upstream from mouth at Long Lake, and 20 mi (32 km) southeast of Juneau.

DRAINAGE AREA.--8.29 mi² (21.47 km²).

PERIOD OF RECORD.--October 1965 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 980 ft (300 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 107 ft³/s (3.03 m³/s), 175.28 in/yr ((4,452 mm/yr), 77,520 acre-ft/yr (95.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,840 ft³/s (52.1 m³/s) Oct. 6, gage height, 14.11 ft (4.301 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Mar. 7-25.

Period of record: Maximum discharge, 3,530 ft³/s (100 m³/s) Sept. 28, 1968, gage height, 15.05 ft (4.587 m), from rating curve extended above 950 ft³/s (26.9 m³/s), but may have been higher during missing record Sept. 28, 1970; maximum gage height, 16.01 ft (4.880 m) on Feb. 17, 1973, backwater from ice; no flow Feb. 11 to Apr. 14, 1974.

REVISIONS.--The maximum discharge for the water year 1967 has been revised to 1,400 ft³/s (39.6 m³/s) Nov. 1, 1966, gage height 13.53 ft (4.124 m), superseding figure published in WRD Alaska 1967.

REMARKS.--Records fair except those for Nov. 19 to Apr. 30, which are poor. Streamflow augmented by meltage from glaciers that cover 39 percent of the basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	389	229	25	20	2.3	1.4	4.0	12	124	248	304	325
2	131	545	20	15	2.0	1.3	3.5	13	157	1030	236	370
3	85	631	17	10	1.9	1.2	3.0	17	126	695	236	250
4	69	215	14	7.0	1.8	1.1	2.5	21	126	639	258	300
5	85	126	13	5.0	1.7	1.1	2.0	28	135	419	287	260
6	811	89	13	4.0	1.6	1.1	3.0	22	122	370	338	230
7	365	73	15	3.5	1.5	1.0	4.0	19	112	445	247	450
8	668	63	130	3.0	1.4	1.0	5.0	17	100	403	258	400
9	180	56	58	2.5	1.4	1.0	7.0	25	122	389	324	350
10	139	53	25	2.0	1.4	1.0	10	171	175	424	360	250
11	172	48	20	1.9	1.3	1.0	13	283	129	394	295	200
12	143	44	18	1.8	1.3	1.0	15	289	113	287	251	300
13	157	41	17	1.7	1.4	1.0	12	112	175	247	255	350
14	255	57	16	1.6	1.4	1.0	10	89	170	266	274	400
15	502	170	15	1.5	1.5	1.0	9.0	99	162	287	312	500
16	316	55	13	2.0	1.7	1.0	8.0	100	160	308	278	400
17	188	47	12	3.0	1.8	1.0	10	85	177	270	299	300
18	243	41	12	5.0	2.0	1.0	20	70	225	247	240	200
19	160	32	11	9.0	2.5	1.0	15	62	258	236	256	300
20	112	28	11	15	3.0	1.0	12	60	232	262	394	250
21	212	24	12	12	3.5	1.0	11	69	160	266	270	220
22	439	21	13	10	5.0	1.0	10	71	139	225	202	200
23	308	19	20	8.0	4.0	1.0	9.0	63	152	326	229	180
24	456	18	45	6.0	3.0	1.0	11	64	162	463	232	170
25	472	17	30	5.0	2.5	1.0	13	74	145	610	236	160
26	434	18	28	4.5	2.0	1.2	15	88	139	512	262	200
27	262	20	15	4.0	1.8	1.5	13	100	150	347	338	260
28	141	24	11	3.5	1.6	2.0	12	131	196	270	394	250
29	107	39	10	3.0	---	4.0	11	139	229	234	347	300
30	105	30	15	2.8	---	8.0	10	119	219	255	312	700
31	155	---	40	2.5	---	5.0	---	113	---	360	356	---
TOTAL	8261	2873	698	175.8	58.3	47.9	283.0	2625	4797	11726	8880	9025
MEAN	266	95.8	22.5	5.67	2.08	1.55	9.43	84.7	160	378	286	301
MAX	811	631	130	20	5.0	8.0	20	289	258	1030	394	700
MIN	69	17	10	1.5	1.3	1.0	2.0	12	100	225	202	160
CFSM	32.1	11.6	2.71	.68	.25	.19	1.14	10.2	19.3	45.6	34.5	36.3
IN.	37.07	12.89	3.13	.79	.26	.21	1.27	11.78	21.48	52.61	39.86	40.49
AC-FT	16390	5700	1380	349	116	95	561	5210	9500	23260	17610	17900

CAL YR 1974 TOTAL 37025.00 MEAN 101 MAX 811 MIN 0 CFSM 12.2 IN 166.12 AC-FT 73440
WTR YR 1975 TOTAL 49440.00 MEAN 135 MAX 1030 MIN 1.0 CFSM 16.3 IN 221.83 AC-FT 98060

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-06	1600	14.11	1,840	07-02	1030	14.07	1,780

NOTE.--No-gage height record Jan. 10 to Apr. 30.

15036000 Speel River near Juneau

LOCATION.--Lat 58°12'10", long 133°36'40", City and Borough of Juneau, in Tongass National Forest, on right bank 0.8 mi (1.3 km) downstream from Long River, 8 mi (13 km) upstream from mouth at Speel Arm of Port Snettisham, and 30 mi (48 km) southeast of Juneau.

DRAINAGE AREA.--226 mi^2 (585 km^2).

PERIOD OF RECORD.--July 1916 to September 1918, May 1960 to September 1975 (discontinued). Monthly discharge only for periods published in WSP 1372.

GAGE.--Water-stage recorder. Altitude of gage is 140 ft (43 m) from topographic map. July 1916 to Sept. 30, 1918, water-stage recorder at site 0.2 mi (0.3 km) upstream at different datum. May 25 to Sept. 28, 1960, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--17 years, 2,581 ft^3/s (73.1 m^3/s), 155.09 in/yr (3,939 mm), 1,870,000 acre-ft/yr (2.31 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 18,300 ft^3/s (518 m^3/s) Oct. 8, gage height, 14.65 ft (4,465 m), from rating curve extended above 10,500 ft^3/s (297 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 50 ft^3/s (1.42 m^3/s) Mar. 10-25.

Period of record: Maximum discharge, 35,600 ft^3/s (1,010 m^3/s), estimated, Sept. 27, 1918; minimum observed, 42.7 ft^3/s (1.21 m^3/s) Jan. 30, 1969.

The flood of Sept. 27, 1918 destroyed the gage.

REMARKS.--Records good except those for Jan. 10 to Feb. 28, which are poor. Streamflow is augmented and large diurnal fluctuation is caused by meltage from glaciers that cover 25 percent of the basin. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6970	3800	570	935	120	75	130	412	3200	5470	5640	3650
2	6070	5200	470	800	110	70	120	440	3730	12200	4850	4320
3	3580	8850	440	600	110	65	110	500	3800	14000	4250	6660
4	2400	7290	412	400	100	60	100	600	4030	11800	4700	6830
5	2400	4400	385	300	100	60	100	600	3880	9300	5220	5070
6	8820	2990	385	250	90	60	110	605	3580	7800	6150	6560
7	9200	2270	890	200	90	55	130	570	3350	9100	5550	8600
8	13900	1720	2140	180	80	55	160	535	3130	9250	5000	7560
9	7220	1660	1350	160	80	55	180	600	2990	8600	4930	7560
10	4470	1610	1030	150	80	50	218	1300	3880	9250	5550	4850
11	4030	1350	800	150	80	50	317	1840	3430	8900	5300	4100
12	4100	1070	720	140	80	50	385	2660	3130	7000	4770	5000
13	3800	890	680	140	80	50	362	2470	3800	5640	4620	7100
14	5000	1250	605	140	90	50	317	2530	4100	5900	5070	8500
15	7990	3730	535	140	90	50	295	2730	3730	6060	5470	7360
16	8770	1960	500	150	100	50	277	2600	3730	5900	5300	4930
17	5300	1610	470	170	100	50	277	2340	4030	5550	5150	3800
18	4930	1300	440	200	110	50	500	2080	4550	5390	4700	3280
19	5900	1070	470	250	120	50	440	1840	5550	5220	4030	6110
20	3580	935	440	400	130	50	385	1720	5980	5070	4850	5810
21	4030	800	412	350	150	50	340	1960	5000	5000	5150	4550
22	7250	720	412	300	150	50	295	2140	4400	4770	4180	4100
23	7560	720	876	270	140	50	295	1960	4250	4930	3650	3650
24	8600	605	1400	250	120	50	317	1840	4250	7050	3800	3650
25	7600	570	1120	210	110	50	340	1900	3950	8160	3650	3280
26	7560	605	980	190	100	55	440	2140	3800	8200	3650	4100
27	5390	600	800	180	90	60	412	2340	3650	7710	3800	5640
28	3730	760	605	160	80	65	362	2660	4030	5900	3500	4930
29	2730	800	570	150	---	80	385	2990	4850	4770	3350	5450
30	2210	680	605	140	---	200	385	2990	5000	4550	3280	10600
31	2730	---	1250	130	---	150	---	3050	---	5390	3050	---
TOTAL	177820	61895	22762	8185	2880	1965	8484	55182	120780	223830	142160	167600
MEAN	5736	2063	734	264	103	63.4	283	1780	4026	7220	4586	5587
MAX	13900	8850	2140	935	150	200	500	3050	5980	14000	6150	10600
MIN	2210	570	385	130	80	50	100	412	2990	4550	3050	3280
CFSM	25.4	9.13	3.25	1.17	.46	.28	1.25	7.88	17.8	31.9	20.3	24.7
IN.	29.27	10.19	3.75	1.35	.47	.32	1.40	9.08	19.88	36.84	23.40	27.59
AC-FT	352700	122800	45150	16230	5710	3900	16830	109500	239600	444000	282000	332400

CAL YR 1974 TOTAL 943504 MEAN 2585 MAX 13900 MIN 65 CFSM 11.4 IN 155.30 AC-FT 1871000
WTR YR 1975 TOTAL 993543 MEAN 2722 MAX 14000 MIN 50 CFSM 12.0 IN 163.54 AC-FT 1971000

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-08	0700	14.65	18,300	09-30	2300	13.00	15,800

NOTE.--No gage-height record Jan. 10 to Feb. 28.

15050000 Gold Creek at Juneau

LOCATION.--Lat 58°18'25", long 134°24'05", City and Borough of Juneau, on left bank 10 ft (3 m) downstream from highway bridge, 150 ft (46 m) upstream from Alaska Electric Light and Power Company dam and diversion, 0.5 mi (0.8 km) northeast of Juneau, and 1 mi (1.6 km) upstream from mouth at Gastineau Channel.

DRAINAGE AREA.--9.76 mi^2 (25.28 km^2).

PERIOD OF RECORD.--July 1916 to December 1920 (monthly discharge only), October 1946 to September 1948, October 1949 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 245 ft (74.7 m) from topographic map. July 20, 1916 to Dec. 31, 1920, at site 50 ft (15 m) upstream at different datum. Sept. 11, 1946 to Sept. 30, 1948, nonrecording gage at site 0.7 mi (1.1 km) downstream at different datum.

AVERAGE DISCHARGE.--32 years, 107 ft^3/s (3.03 m^3/s), 148.88 in/yr (3,782 mm/yr), 77,520 acre ft/yr (95.6 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,620 ft^3/s (45.9 m^3/s) July 2, gage height, 5.72 ft (1.745 m); minimum daily, 0.82 ft^3/s (0.023 m^3/s) Mar. 27.

Period of record: Maximum discharge, 2,650 ft^3/s (75.0 m^3/s) Aug. 12, 1961, gage height, 6.57 ft (2.003 m), from rating curve extended above 1,500 ft^3/s (42 m^3/s); no flow at times during winters of 1951, 1956 and 1974.

REMARKS.--Records good. Water-quality data for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	282	35	32	6.5	2.5	2.9	35	181	256	314	199
2	115	460	31	28	6.0	2.4	2.7	41	226	1290	239	199
3	83	788	29	22	5.0	2.4	2.5	55	226	980	202	370
4	66	342	25	18	4.5	2.3	2.3	71	208	704	226	365
5	95	214	25	15	4.0	2.1	2.1	67	223	435	226	226
6	475	157	30	14	3.5	2.0	2.7	53	223	322	242	334
7	298	125	87	12	3.0	2.0	3.5	45	214	420	199	338
8	360	107	145	11	2.5	2.0	3.5	44	181	420	178	253
9	178	109	86	10	2.5	1.9	3.7	95	190	400	202	253
10	127	119	63	10	2.2	1.8	5.6	193	334	425	242	175
11	129	104	51	9.0	2.0	1.7	12	223	232	370	232	145
12	117	86	43	9.0	1.8	1.4	14	260	184	263	217	184
13	125	72	38	9.0	1.8	1.4	12	199	232	232	199	226
14	226	115	32	9.0	1.8	1.3	10	166	206	226	202	278
15	326	205	30	9.0	1.9	1.3	8.8	169	235	235	214	246
16	365	111	26	11	2.4	1.2	8.0	187	199	253	196	175
17	263	80	25	14	2.7	1.2	18	157	208	235	208	135
18	205	70	23	16	4.9	1.2	59	131	242	211	175	133
19	178	58	25	24	7.3	1.1	33	99	302	205	157	239
20	127	50	24	21	4.1	1.1	25	102	270	267	338	166
21	211	43	22	19	3.7	1.1	22	139	202	282	229	129
22	470	36	20	18	6.6	1.0	21	163	175	226	169	115
23	350	33	30	18	6.3	1.0	21	121	169	256	135	101
24	662	31	41	17	4.3	.94	22	105	178	365	113	101
25	370	29	38	15	3.5	.88	23	107	169	360	105	98
26	578	35	36	14	3.3	.88	25	121	145	314	100	135
27	430	35	27	12	3.3	.82	22	131	143	298	105	238
28	267	52	24	11	2.9	.94	22	172	169	235	111	220
29	208	55	22	9.2	---	4.9	27	214	214	205	105	263
30	169	43	24	8.8	---	3.3	29	190	211	253	99	674
31	199	---	57	7.5	---	2.4	---	172	---	334	98	---
TOTAL	7915	4046	1214	451.7	104.3	52.46	465.3	4027	6371	11277	5769	6710
MEAN	255	135	39.2	14.6	3.73	1.69	15.5	130	212	364	186	224
MAX	662	788	145	32	7.3	4.9	59	260	334	1290	338	674
MIN	66	29	20	7.5	1.8	.82	2.1	35	143	205	98	98
CFSM	26.1	13.8	4.02	1.50	.38	.17	1.59	13.3	21.7	37.3	19.1	23.0
IN.	30.16	15.42	4.63	1.72	.40	.20	1.77	15.35	24.28	42.98	21.99	25.57
AC-FT	15700	8030	2410	896	207	104	923	7990	12640	22370	11440	13310

CAL YR 1974 TOTAL 40648.50 MEAN 111 MAX 788 MIN 0 CFSM 11.4 IN 154.91 AC-FT 80630
WTR YR 1975 TOTAL 48602.76 MEAN 133 MAX 1290 MIN .82 CFSM 13.6 IN 184.47 AC-FT 96410

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-22	1130	5.10	900	07-02	0800	5.72	1,620
11-03	1600	5.38	1,200	09-30	1730	5.60	1,480

15052500 Mendenhall River near Auke Bay

LOCATION.--Lat 58°25'05", long 134°32'40", in SW¼NE¼ sec.8, T.40 S., R.66 E., City and Borough of Juneau, at east end of Mendenhall Lake, 250 ft (76 m) northwest of Mendenhall Visitors Center, 4.2 mi (6.8 km) northeast of Auke Bay, and 7 mi (11 km) upstream from mouth at Fritz Cove.

DRAINAGE AREA.--85.1 mi² (220.4 km²).

PERIOD OF RECORD.--May 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 60 ft (18 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 1,085 ft³/s (30.73 m³/s), 173.14 in/yr (4,398 mm/yr), 786,100 acre-ft/yr (969 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 6,720 ft³/s (190 m³/s) Sept. 14, gage height, 7.43 ft (2.265 m); minimum daily, 25 ft³/s (0.71 m³/s) Mar. 20-29.
Period of record: Maximum discharge, 9,020 ft³/s (255 m³/s) Sept. 15, 1967; maximum gage height, 8.94 ft (2.725 m) Aug. 24, 1966; minimum daily discharge, 19 ft³/s (0.54 m³/s) Mar. 1-3, 1969 and Mar. 7-11, 1974.

REMARKS.--Records good except those for Dec. 4 to Apr. 9, which are poor. Streamflow is augmented and large diurnal fluctuation is caused by meltage from Mendenhall Glacier that covers 66 percent of the basin. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	1250	163	132	37	29	35	120	967	2160	3270	2350
2	1840	1400	152	120	36	29	34	135	1160	3550	2860	2850
3	1450	1700	146	105	35	28	32	158	1130	4580	2580	3520
4	1030	1650	135	86	34	28	32	211	988	5850	2930	3990
5	884	1500	127	73	34	27	30	235	974	5210	3200	3000
6	1980	1270	165	62	33	27	30	216	872	4280	3210	2920
7	2780	930	255	58	33	27	33	194	867	4810	2950	3930
8	3540	730	320	55	32	27	35	178	841	5050	2620	4150
9	3480	685	310	51	32	27	45	186	832	4620	2650	3950
10	2900	604	270	47	31	26	63	343	1070	5070	2830	2710
11	2600	554	235	43	30	26	77	590	1110	5020	3040	2400
12	2460	452	200	42	30	26	93	895	990	4030	3070	2980
13	1740	392	175	40	30	26	97	885	1100	3870	2920	4050
14	1630	399	150	39	30	26	93	695	1410	4060	3180	6290
15	1860	976	140	40	30	26	90	620	1350	3470	3540	6100
16	2510	673	130	41	30	26	89	611	1250	3260	3420	3790
17	2520	451	125	44	34	26	94	565	1410	3190	3360	2730
18	1560	361	115	53	40	26	149	490	1680	3130	3020	2370
19	1270	297	108	66	45	26	173	412	2160	2880	2710	3420
20	929	240	102	78	48	25	153	408	2150	3000	3460	3850
21	816	208	98	82	46	25	135	442	1660	3030	3550	3630
22	1320	186	108	76	41	25	121	505	1710	2040	2870	2970
23	1980	173	110	66	37	25	115	469	2020	2890	2520	2550
24	2620	161	135	60	34	25	114	419	2060	3650	2440	2520
25	3490	154	165	55	32	25	111	433	2030	4000	2250	2160
26	3860	157	152	52	31	25	115	489	1710	4140	2240	2170
27	3550	165	140	50	30	25	113	568	1480	3940	2470	2720
28	2600	173	123	45	30	25	106	646	1520	3260	2310	2790
29	1760	179	112	42	---	28	106	1090	1910	2890	2250	2620
30	1320	181	102	40	---	30	111	1010	2050	2810	2350	3680
31	1140	---	112	38	---	40	---	915	---	3140	2190	---
TOTAL	64799	18253	4872	1881	965	832	2624	15133	42461	117680	88260	99160
MEAN	2090	608	157	60.7	34.5	26.8	87.5	488	1415	3796	2847	3305
MAX	3860	1700	320	132	48	40	173	1090	2160	5850	3550	6290
MIN	816	154	98	38	30	25	30	120	832	2160	2190	2160
CFSM	24.6	7.14	1.84	.71	.41	.31	1.03	5.73	16.6	44.6	33.5	38.8
IN.	28.33	7.98	2.13	.82	.42	.36	1.15	6.62	18.56	51.44	38.58	43.35
AC-FT	128500	36200	9660	3730	1910	1650	5200	30020	84220	233400	175100	196700

CAL YR 1974 TOTAL 419579 MEAN 1150 MAX 7380 MIN 19 CFSM 13.5 IN 183.41 AC-FT 832200
WTR YR 1975 TOTAL 456920 MEAN 1252 MAX 6290 MIN 25 CFSM 14.7 IN 199.73 AC-FT 906300

PEAK DISCHARGE (BASE, 4,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
07-04	1645	7.28	6,210	09-14	1945	7.43	6,720
07-08	0030	6.84	5,530				

NOTE.--No gage-height record Dec. 19 to Mar. 7.

15052800 Montana Creek near Auke Bay

LOCATION.--Lat 58°23'53", long 134°36'34", in E½SW¼ sec.13, T.40 S., R.65 E., City and Borough of Juneau, on right bank 80 ft (24 m) upstream from highway bridge, 1.4 mi (2.3 km) upstream from mouth at Mendenhall River, 1.5 mi (2.4 km) northeast of Auke Bay, and 3.9 mi (6.3 km) downstream from McGinnis Creek.

DRAINAGE AREA.--15.5 mi² (40.1 km²).

PERIOD OF RECORD.--August 1965 to current year (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (23 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 105 ft³/s (2.974 m³/s), 91.99 in/yr (2,337 mm/yr), 76,070 acre-ft/yr (93.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,370 ft³/s (38.8 m³/s) Oct. 6, gage height, 15.29 ft (4,660 m); minimum, 5.4 ft³/s (0.153 m³/s) Mar. 27.
Period of record: Maximum discharge, 1,920 ft³/s (54.4 m³/s) Aug. 23, 1966 and Aug. 24, 1974; maximum gage height, 16.77 ft (5.111 m) Aug. 23, 1966; minimum discharge, 3.2 ft³/s (0.091 m³/s) Feb. 8, 1972.

REMARKS.--Records good except those for Dec. 31 to Mar. 26, which are poor. Some diurnal fluctuations caused by glacier melt at the source. Water quality data for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285	252	50	40	16	17	31	91	188	164	237	182
2	190	398	43	25	14	15	32	104	315	534	163	239
3	115	491	37	22	13	14	27	130	215	517	130	380
4	88	240	33	19	12	13	22	157	225	417	127	358
5	203	149	32	18	12	12	17	152	283	255	122	190
6	773	116	46	17	12	11	25	108	248	208	141	194
7	340	98	122	16	12	11	50	88	298	260	113	294
8	501	86	147	15	11	10	47	74	221	249	101	240
9	194	96	82	14	10	10	48	124	203	227	138	370
10	144	111	58	14	10	9.0	63	253	273	240	162	159
11	170	118	50	14	9.0	9.0	146	277	197	215	186	129
12	155	76	47	14	8.0	9.0	115	404	163	150	146	153
13	148	64	45	14	8.0	9.0	85	213	302	129	122	172
14	296	207	40	14	8.0	9.0	62	169	321	132	119	335
15	319	590	35	15	8.0	9.0	52	197	237	134	144	236
16	456	133	32	16	9.0	8.0	49	248	189	146	122	162
17	453	91	29	17	11	8.0	104	199	200	131	113	121
18	259	75	30	18	14	8.0	327	147	222	120	100	114
19	286	65	78	24	18	8.0	137	113	256	122	125	335
20	164	58	58	30	24	7.0	86	120	221	144	328	150
21	188	53	40	47	30	7.0	77	197	177	127	159	117
22	397	49	34	54	36	7.0	80	239	154	111	112	103
23	385	46	91	56	40	7.0	72	138	147	128	92	91
24	414	44	112	57	42	6.0	55	117	131	210	85	92
25	462	41	85	52	34	6.0	58	125	121	261	79	85
26	411	75	74	47	28	6.0	62	149	116	321	76	103
27	333	73	52	41	23	5.6	55	159	112	252	77	330
28	220	91	43	36	20	14	54	215	127	165	75	245
29	196	86	49	30	---	356	75	399	163	133	72	239
30	144	68	49	21	---	268	79	207	152	156	67	553
31	143	---	45	17	---	57	---	170	---	246	65	---
TOTAL	8830	4140	1768	834	492.0	945.6	2192	5483	6177	6604	3898	6471
MEAN	285	138	57.0	26.9	17.6	30.5	73.1	177	206	213	126	216
MAX	773	590	147	57	42	356	327	404	321	534	328	553
MIN	88	41	29	14	8.0	5.6	17	74	112	111	65	85
CFSM	18.4	8.90	3.68	1.74	1.14	1.97	4.72	11.4	13.3	13.7	8.13	13.9
IN.	21.19	9.94	4.24	2.00	1.18	2.27	5.26	13.16	14.82	15.85	9.35	15.53
AC-FT	17510	8210	3510	1650	976	1880	4350	10880	12250	13100	7730	12840

CAL YR 1974 TOTAL 42580.9 MEAN 117 MAX 773 MIN 3.5 CFSM 7.55 IN 102.19 AC-FT 84460
WTR YR 1975 TOTAL 47834.6 MEAN 131 MAX 773 MIN 5.6 CFSM 8.45 IN 114.80 AC-FT 94880

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-06	1715	15.29	1,370	11-15	0600	14.88	1,200

NOTE.--No gage-height record Feb. 6 to Mar. 26.

15054000 Auke Creek at Auke Bay

LOCATION.--Lat 58°22'56", long 134°38'10", City and Borough of Juneau, on right bank 100 ft (30 m) downstream from Glacier Highway, 550 ft (168 m) downstream from Auke Lake, 0.3 mi (0.5 km) upstream from mouth at Auke Bay, and 0.5 mi (0.8 km) east of Auke Bay.

DRAINAGE AREA.--3.96 mi^2 (10.26 km^2).

PERIOD OF RECORD.--August 1947 to September 1950 (published as "near Auke Bay"), August 1962 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is approximately 52.8 ft (16.09 m) above msl (levels from MLLW datum bench mark by U.S. Department of Interior, Fish and Wildlife Service). Prior to Sept. 30, 1950, nonrecording gage 400 ft (120 m) upstream at datum 3.02 ft (0.920 m) higher. Aug. 2, 1962 to Jan. 18, 1963, water-stage recorder at site 100 ft (30 m) upstream at same datum.

AVERAGE DISCHARGE.--16 years, 17.4 ft^3/s (0.493 m^3/s), 59.67 in/yr (1,516 mm/yr), 12,610 acre-ft/yr (15.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 172 ft^3/s (4.87 m^3/s) Oct. 6, gage height, 3.21 ft (0.978 m); minimum, 1.5 ft^3/s (0.042 m^3/s) Mar. 26-27.

Period of record: Maximum discharge observed, 348 ft^3/s (9.86 m^3/s) Nov. 2, 1949, gage height, 4.85 ft (1.478 m) site and datum then in use; minimum, 0.02 ft^3/s (0.001 m^3/s) Aug. 15, 18, 1968.

REMARKS.--Records good. Small diversion above station for use of Fish and Wildlife Lab and State Fish Hatchery. Records of chemical analyses and water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL*	AUG	SEP
1	26	24	15	33	5.3	4.3	12	18	32	6.3	26	13
2	43	39	12	25	4.8	3.9	11	21	44	32	22	30
3	36	78	10	22	4.3	3.6	9.7	25	47	78	17	57
4	28	51	8.2	17	3.9	3.3	8.6	30	41	58	12	85
5	28	36	7.0	15	3.6	3.1	7.6	34	57	39	8.9	55
6	112	24	6.9	13	3.2	3.0	8.0	26	50	25	9.6	34
7	110	19	17	11	3.0	2.8	9.8	21	40	17	8.9	36
8	100	16	34	10	2.8	2.7	10	18	35	12	7.2	34
9	56	14	30	8.0	2.5	2.5	10	23	40	8.5	8.4	58
10	35	15	22	6.5	2.3	2.3	11	34	50	6.3	16	35
11	30	18	17	5.5	2.2	2.3	16	38	60	5.0	17	23
12	27	17	13	4.7	2.1	2.3	23	67	45	4.1	16	17
13	23	14	10	4.4	2.0	2.3	23	79	38	3.6	13	15
14	33	15	8.2	4.1	2.0	2.4	20	65	45	3.2	9.9	34
15	37	80	7.1	4.0	2.1	2.5	17	45	60	2.8	9.0	35
16	48	56	6.7	4.2	2.4	2.4	15	37	50	2.6	8.7	29
17	79	33	6.2	4.4	3.0	2.3	16	48	40	2.5	7.2	21
18	68	23	6.1	5.2	3.8	2.1	39	38	30	2.3	6.3	16
19	71	17	9.5	7.9	5.0	2.0	51	28	35	2.0	7.6	34
20	47	13	12	13	5.5	2.0	35	21	50	2.4	31	24
21	36	11	12	15	4.3	1.9	23	19	40	2.7	32	20
22	44	8.9	10	14	9.2	1.9	18	26	25	2.6	24	14
23	52	7.6	15	14	11	1.9	17	39	20	2.6	17	10
24	47	6.8	23	14	10	1.9	17	25	16	4.5	12	8.1
25	82	6.1	24	15	8.3	1.9	17	21	14	6.3	9.2	6.7
26	72	7.4	23	13	6.7	1.9	17	22	11	15	7.2	6.9
27	61	11	19	11	5.6	1.9	17	28	10	26	5.6	24
28	53	16	17	8.9	4.9	2.4	16	34	8.7	23	4.5	38
29	36	19	16	7.6	---	12	16	45	7.8	17	4.0	38
30	27	18	15	7.1	---	18	17	52	6.9	15	3.6	60
31	22	---	33	6.1	---	15	---	36	---	21	3.2	---
TOTAL	1569	713.8	464.9	343.6	125.8	114.8	527.7	1063	1048.4	440.3	384.0	907.7
MEAN	50.6	23.8	15.0	11.1	4.49	3.70	17.6	34.3	34.9	14.2	12.4	30.3
MAX	112	80	34	33	11	18	51	79	60	78	32	85
MIN	22	6.1	6.1	4.0	2.0	1.9	7.6	18	6.9	2.0	3.2	6.7
CFSM	12.8	6.01	3.79	2.80	1.13	.93	4.44	8.66	8.81	3.59	3.13	7.65
IN.	14.74	6.70	4.37	3.23	1.18	1.08	4.96	9.98	9.85	4.14	3.61	8.52
AC-FT	3110	1420	922	682	250	228	1050	2110	2080	873	762	1800

CAL YR 1974 TOTAL 7184.4 MEAN 19.7 MAX 112 MIN 1.1 CFSM 4.97 IN 67.47 AC-FT 14250
WTR YR 1975 TOTAL 7703.0 MEAN 21.1 MAX 112 MIN 1.9 CFSM 5.33 IN 72.34 AC-FT 15280

PEAK DISCHARGE (BASE, 100 CFS).--Oct. 6 (1815) 172 ft^3/s (3.21 ft).

15056100 Skagway River at Skagway

LOCATION.--Lat 59°27'27", long 135°19'23", on right bank, on north end of Taiya Inlet, at Skagway, 175 ft (53 m) downstream from old bridge site, 1.1 mi (1.8 km) downstream from highway bridge.

DRAINAGE AREA.--145 mi^2 (376 km^3), approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8 ft (2.4 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 511 ft^3/s (14.47 m^3/s), 47.86 in/yr (1,216 mm/yr), 370,200 acre-ft/yr (456 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 7,820 ft^3/s (221 m^3/s) Sept. 30, gage height, 6.20 ft (1,890 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Feb. 10.

Period of record: Maximum discharge, 13,600 ft^3/s (385 m^3/s) Sept. 15, 1967, gage height, 8.50 ft (2.519 m), from rating curve extended above 4,000 ft^3/s (113 m^3/s) on basis of a contracted opening measurement of peak flow; minimum daily, 6.0 ft^3/s (0.17 m^3/s) Mar. 31, 1974.

REMARKS.--Records fair except those for the period Dec. 27 to Apr. 22, which are poor. Streamflow is augmented and large diurnal fluctuations are caused by meltage from glaciers that cover 17 percent of the basin. Periodic high tides caused backwater at the gage and are shown on the stage record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	281	93	46	29	39	23	106	1110	4640	926	636
2	241	329	108	43	27	37	23	162	1340	6110	846	594
3	196	4170	93	40	26	34	25	258	1230	5980	926	622
4	175	1490	93	37	25	32	26	286	968	5670	1450	643
5	175	643	83	36	24	30	27	196	910	4780	1450	574
6	272	454	85	35	23	29	29	146	878	4850	1190	854
7	508	355	93	34	22	27	31	132	846	5820	1140	1540
8	814	296	135	34	20	25	34	129	862	5670	1100	886
9	594	254	121	35	20	24	39	208	846	5430	959	886
10	405	232	98	35	19	23	45	664	968	5690	934	783
11	345	200	89	36	20	23	65	783	822	4970	986	727
12	335	182	85	38	20	22	74	783	755	4070	968	1800
13	291	168	80	40	20	22	66	608	878	3430	1100	3300
14	375	168	76	42	21	22	70	454	1090	3260	1420	2850
15	610	291	72	44	23	21	68	496	1090	3000	1520	1810
16	657	208	72	46	25	21	70	508	1260	2750	1440	1230
17	443	162	69	48	27	21	80	410	1990	2590	1520	968
18	375	149	72	51	29	21	96	370	3000	2210	1470	968
19	335	135	70	54	30	20	92	335	4150	2170	1100	2180
20	286	121	70	57	32	20	84	350	3320	2010	1100	1600
21	258	116	72	59	35	21	67	350	1790	1640	878	1700
22	325	113	106	59	39	21	66	360	1410	1450	748	1450
23	390	108	80	58	45	21	66	365	1460	1370	886	1100
24	580	98	76	55	52	21	72	380	1580	2010	942	1020
25	720	98	72	50	55	21	83	478	1470	1670	918	942
26	755	101	69	45	52	21	80	568	1350	1350	968	1000
27	568	101	66	42	45	21	76	727	1490	1070	942	902
28	438	103	60	38	42	21	74	783	3650	986	878	798
29	365	103	56	35	---	21	76	870	4640	959	798	806
30	320	98	52	33	---	21	83	846	4930	959	783	2660
31	305	---	49	31	---	22	---	894	---	1010	692	---
TOTAL	12723	11327	2515	1336	847	745	1810	14005	52083	99574	32978	37829
MEAN	410	378	81.1	43.1	30.3	24.0	60.3	452	1736	3212	1064	1261
MAX	814	4170	135	59	55	39	96	894	4930	6110	1520	3300
MIN	175	98	49	31	19	20	23	106	755	959	692	574
CFSM	2.83	2.61	.56	.30	.21	.17	.42	3.12	12.0	22.2	7.34	8.70
IN.	3.26	2.91	.65	.34	.22	.19	.46	3.59	13.36	25.55	8.46	9.71
AC-FT	25240	22470	4990	2650	1680	1480	3590	27780	103300	197500	65410	75030

CAL YR 1974 TOTAL 168376.0 MEAN 461 MAX 4170 MIN 6.0 CFSM 3.18 IN 43.20 AC-FT 334000
WTR YR 1975 TOTAL 267772.0 MEAN 734 MAX 6110 MIN 19 CFSM 5.06 IN 68.70 AC-FT 531100

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-03	1130	6.00	6,890	09-13	1200	4.25	4,340
06-18	2330	4.48	4,740	09-19	1100	3.67	3,170
07-02	0900	5.61	6,780	09-30	2000	6.20	7,820
07-06	2330	5.56	6,680				

15056200 West Creek near Skagway

LOCATION.--Lat 59°31'35", long 135°21'10", on right bank 700 ft (210 m) upstream from highway bridge, 0.2 mi (0.3 km) upstream from mouth at Taiya River, and 5 mi (8 km) northwest of Skagway.

DRAINAGE AREA.--43.2 mi^2 (111.9 km^2).

PERIOD OF RECORD.--May 1962 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (27 m) from topographic map.

AVERAGE DISCHARGE.--13 years, 331 ft^3/s (9.374 m^3/s), 104.05 in/yr (2,643 mm/yr), 239,800 acre-ft/yr (296 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,310 ft^3/s (93.7 m^3/s) Sept. 13, gage height, 5.33 ft (1.625 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Feb. 9, 10, Mar. 16-21.
Period of record: Maximum discharge, 9,800 ft^3/s (273 m^3/s) Sept. 15, 1967, gage height, 7.75 ft (2.362 m), from rating curve extended above 1,400 ft^3/s (40 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 6 ft^3/s (0.17 m^3/s) Jan. 17-28, 1963.

REMARKS.--Records good except those for Dec. 22 to Apr. 30, which are poor. Streamflow is augmented and some diurnal fluctuation is caused by meltage from glaciers that cover 26 percent of the basin.

REVISIONS (WATER YEARS).--WRD Alaska 1972: 1962 (M), 1963 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	275	89	40	27	32	40	48	456	1040	816	698
2	183	335	74	35	25	31	50	48	513	1390	692	780
3	162	1870	68	30	24	30	56	59	464	1470	706	888
4	148	884	65	28	22	29	56	75	424	1510	936	773
5	144	430	62	27	21	27	52	72	400	1170	933	560
6	230	310	62	26	20	25	48	69	378	1200	847	938
7	450	250	106	26	20	24	46	63	368	1700	812	1320
8	692	226	166	26	20	23	50	57	356	1800	742	979
9	405	202	143	26	19	22	60	67	356	1740	720	963
10	315	198	112	26	19	22	78	180	419	2000	742	610
11	285	180	98	27	20	21	65	303	370	1860	757	580
12	420	162	90	28	20	21	60	340	329	1300	710	1460
13	320	148	84	30	20	20	54	294	372	1140	801	2920
14	488	176	70	33	20	20	51	254	434	1150	999	1960
15	748	437	60	35	21	20	50	253	433	1170	1070	1120
16	776	204	56	37	21	19	58	267	464	1120	945	738
17	400	166	55	40	22	19	64	228	586	1100	988	553
18	305	145	62	43	25	19	68	199	786	1070	838	588
19	258	132	60	48	27	19	60	176	1090	1050	663	1050
20	230	122	57	51	29	19	57	178	969	992	716	821
21	246	115	58	56	32	19	54	190	609	869	644	879
22	405	110	58	63	37	20	52	219	475	810	566	876
23	415	106	55	67	41	20	52	198	460	799	643	728
24	678	100	80	69	44	20	51	190	455	1080	643	678
25	783	95	80	70	45	21	50	214	422	1010	612	601
26	713	96	75	64	43	22	49	249	429	825	719	678
27	488	101	78	55	37	24	49	282	477	789	774	555
28	350	115	68	45	34	25	48	385	856	698	665	424
29	285	120	55	36	---	27	48	347	1230	676	635	541
30	270	106	50	32	---	29	48	361	1090	683	640	1650
31	280	---	45	30	---	33	---	379	---	911	614	---
TOTAL	12082	7916	2309	1249	755	722	1624	6164	16470	36042	23588	27901
MEAN	390	264	74.5	40.3	27.0	23.3	54.1	199	549	1163	761	930
MAX	783	1870	166	70	45	33	78	379	1230	2000	1070	2920
MIN	144	95	45	26	19	19	40	48	329	676	566	424
CFSM	9.03	6.11	1.72	.93	.63	.54	1.25	4.61	12.7	26.9	17.6	21.5
IN.	10.40	6.82	1.99	1.08	.65	.62	1.40	5.31	14.18	31.04	20.31	24.03
AC-FT	23960	15700	4580	2480	1500	1430	3220	12230	32670	71490	46790	55340

CAL YR 1974 TOTAL 126452.0 MEAN 346 MAX 2190 MIN 7.0 CFSM 8.01 IN 108.89 AC-FT 250800
WTR YR 1975 TOTAL 136822.0 MEAN 375 MAX 2920 MIN 19 CFSM 8.68 IN 117.82 AC-FT 271400

PEAK DISCHARGE (BASE, 1,650 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-03	1015	4,78	2,420	09-13	1030	5.33	3,310
07-10	2130	4.73	2,440				

NOTE.--No gage-height record Dec. 22 to Mar. 12.

15056210 Taiya River near Skagway

LOCATION.--Lat 59°30'44", long 135°20'40", in NE¼SE¼ sec.22, T.27 S., R.59 E., on the left bank at the upstream side of highway bridge 1 mi (1.6 km) downstream from West Creek, 2.2 mi (3.5 km) above mouth of Taiya Inlet, and 4 mi (6 km) north of Skagway.

DRAINAGE AREA.--179 mi^2 (464 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is about 20 ft (6 m) from observations of high tides.

AVERAGE DISCHARGE.--6 years, 1,099 ft^3/s (31.1 m^3/s), 83.38 in/yr (2,118 mm/yr), 796,200 acre-ft/yr (982 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 11,200 ft^3/s (317 m^3/s) Sept. 13, gage height, 18.35 ft (5.593 m); minimum daily, 52 ft^3/s (1.47 m^3/s) Feb. 8, 9.

Period of record: Maximum discharge, 11,200 ft^3/s (317 m^3/s) Sept. 13, 1975, gage height, 18.35 ft (5.593 m); minimum daily, 16 ft^3/s (0.45 m^3/s) Mar. 30, 31, 1974.

Flood of September 1967 overflowed banks and probably reached a peak of over 25,000 ft^3/s (710 m^3/s).

REMARKS.--Records good except those for Dec. 31 to Apr. 5, which are poor. Large diurnal fluctuations caused by glacier melt at the source.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	850	681	268	120	66	93	58	194	1600	3710	2820	2190
2	760	730	240	105	63	85	60	275	1810	5540	2410	2230
3	680	6030	261	94	61	80	62	414	1570	5370	2440	2480
4	620	3150	211	88	59	74	64	498	1300	5730	3280	2370
5	600	1340	201	84	56	70	66	423	1200	4220	3330	1890
6	800	864	202	81	54	68	69	353	1120	4210	2990	2800
7	1800	688	248	80	53	67	72	307	1060	6670	2870	4130
8	2900	604	449	79	52	66	81	286	1030	7010	2720	2960
9	1700	551	386	81	52	64	90	381	1030	6540	2570	2910
10	1300	481	299	84	53	62	106	916	1240	7510	2570	2120
11	1200	486	277	86	53	62	148	1250	1100	7080	2780	2080
12	1700	439	252	89	54	62	163	1260	957	4950	2640	5130
13	1400	411	238	92	54	60	143	1010	1040	4260	2820	9620
14	1800	421	221	94	55	60	136	825	1330	4260	3470	7030
15	2900	1120	195	98	57	59	129	872	1350	4190	3740	4730
16	3200	566	195	105	60	58	126	897	1380	4000	3320	2880
17	2000	445	182	112	64	57	137	732	1970	4010	3480	2110
18	1400	377	183	120	68	57	206	626	2590	3830	3060	2100
19	1100	349	179	125	72	56	205	568	3490	3810	2500	4130
20	950	327	173	135	77	56	164	569	3100	3870	2570	3060
21	1000	306	229	140	83	55	146	582	1970	3640	2360	3120
22	1250	286	259	145	93	55	136	624	1500	3230	2050	3030
23	1800	276	191	130	110	54	132	585	1430	3030	2430	2490
24	2800	261	271	128	125	54	137	570	1490	3940	2450	2280
25	3500	248	237	120	130	53	151	664	1360	3560	2270	2010
26	3000	250	208	105	120	54	166	792	1330	2990	2580	2120
27	1500	250	187	96	110	55	162	894	1470	2680	2750	1910
28	972	270	172	87	100	55	156	977	3040	2570	2510	1530
29	748	309	167	82	---	55	156	1140	3980	2410	2360	1700
30	668	289	165	76	---	56	167	1150	3680	2430	2240	4860
31	677	---	138	69	---	56	---	1180	---	2980	2110	---
TOTAL	47575	22803	7076	3138	2054	1918	3794	21814	52517	134170	84490	93940
MEAN	1535	760	228	101	73.4	61.9	126	704	1751	4328	2725	3131
MAX	3500	6030	449	145	130	93	206	1260	3980	7510	3740	9620
MIN	600	248	138	69	52	53	58	194	957	2410	2050	1530
CFSM	8.58	4.25	1.27	.56	.41	.35	.70	3.93	9.78	24.2	15.2	17.5
IN.	9.89	4.74	1.47	.65	.43	.40	.79	4.53	10.91	27.88	17.56	19.52
AC-FT	94360	45230	14040	6220	4070	3800	7530	43270	104200	266100	167600	186300

CAL YR 1974 TOTAL 412346 MEAN 1130 MAX 7160 MIN 16 CFSM 6.31 IN 85.69 AC-FT 817900
WTR YR 1975 TOTAL 475291 MEAN 1302 MAX 9620 MIN 52 CFSM 7.27 IN 98.77 AC-FT 942700

PEAK DISCHARGE (BASE, 5,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-03	1245	17.44	8,390	07-10	2245	17.65	8,500
07-02	0815	16.83	5,880	09-13	1200	18.35	11,200

NOTE.--No gage-height record Jan. 6 to Mar. 12.

15059500 Whipple Creek near Ward Cove

LOCATION.--Lat 55°26'30", long 131°47'38", Gateway Borough, on Revillagigedo Island, on left bank 350 ft (107 m) upstream from old highway bridge on North Tongass Highway, 0.35 mi (0.56 km) upstream from mouth at Tongass Narrows, 2 mi (3 km) south of village of Knudsen Cove, and 3.4 mi (5.5 km) northwest of Ward Cove Post Office.

DRAINAGE AREA.--5.29 mi^2 (13.70 km^2).

PERIOD OF RECORD.--September 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (27 m) from topographic map.

AVERAGE DISCHARGE.--7 years, 34.3 ft^3/s (0.971 m^3/s), 88.05 in/yr (2,236 mm/yr), 24,850 acre-ft/yr (30.6 hm^3/yr).

EXTREMES.--Current year: Maximum daily discharge, 300 ft^3/s (8.5 m^3/s) Oct. 8; minimum daily, 4.0 ft^3/s (0.11 m^3/s) Feb. 12.

Period of record: Maximum discharge, 2,830 ft^3/s (80.1 m^3/s) Nov. 19, 1968, gage height, 8.73 ft (2.661 m), from rating curve extended above 600 ft^3/s (17 m^3/s); minimum daily, 1.0 ft^3/s (0.03 m^3/s) Jan. 14-16, 1974.

REMARKS.--Records poor. Water-quality data for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	30	20	40	9.0	9.0	17	40	16	6.0	30	12
2	120	40	15	35	8.0	9.0	17	45	16	25	25	13
3	80	60	15	30	8.0	10	16	50	20	20	20	17
4	50	80	10	25	7.0	11	16	50	25	15	18	72
5	40	90	15	20	6.0	12	18	45	25	12	16	76
6	60	80	20	20	6.0	12	22	40	30	10	15	40
7	200	70	30	15	6.0	11	26	35	25	8.0	15	25
8	300	60	40	15	5.0	10	30	35	25	7.0	30	20
9	150	50	50	10	5.0	10	28	30	30	6.0	35	18
10	70	40	40	10	5.0	10	30	50	30	6.0	25	13
11	50	35	30	9.0	5.0	11	40	60	25	5.5	20	10
12	40	30	25	9.0	4.0	12	45	70	30	5.0	15	9.3
13	30	20	25	8.0	5.0	14	40	50	40	5.5	13	8.4
14	30	10	25	9.0	5.0	16	40	45	30	5.5	11	23
15	60	10	25	10	6.0	18	35	40	25	6.0	10	16
16	50	15	30	12	7.0	16	40	40	20	5.5	10	14
17	40	15	30	15	9.0	14	50	45	15	7.0	9.0	9.7
18	50	10	35	20	15	13	70	50	13	10	9.0	8.4
19	100	10	35	30	20	12	60	40	11	30	9.0	7.7
20	70	9.0	35	35	25	12	40	35	10	20	9.5	7.0
21	50	8.0	30	40	22	12	30	30	10	15	9.5	6.7
22	60	7.0	25	45	18	12	30	35	12	20	9.5	6.0
23	80	8.0	30	40	16	13	35	30	9.3	30	9.0	6.0
24	50	8.0	50	30	14	14	40	25	8.0	40	8.0	13
25	30	10	80	20	12	15	40	20	8.4	50	7.0	36
26	25	15	60	18	10	15	50	20	7.7	60	6.0	30
27	30	20	40	16	10	15	45	18	7.0	50	5.7	19
28	30	25	30	14	9.0	14	45	18	6.7	30	7.7	19
29	25	30	30	13	---	14	50	20	5.7	20	7.4	20
30	25	25	30	12	---	14	50	18	5.4	25	6.0	37
31	20	---	40	10	---	14	---	17	---	35	5.4	---
TOTAL	2095	920.0	995	635.0	277.0	394.0	1095	1146	541.2	590.0	425.7	612.2
MEAN	67.6	30.7	32.1	20.5	9.89	12.7	36.5	37.0	18.0	19.0	13.7	20.4
MAX	300	90	80	45	25	18	70	70	40	60	35	76
MIN	20	7.0	10	8.0	4.0	9.0	16	17	5.4	5.0	5.4	6.0
CFSM	12.8	5.80	6.07	3.88	1.87	2.40	6.90	6.99	3.40	3.59	2.59	3.86
IN.	14.73	6.47	7.00	4.46	1.95	2.77	7.70	8.06	3.81	4.15	2.99	4.30
AC-FT	4160	1820	1970	1260	549	781	2170	2270	1070	1170	844	1210

CAL YR 1974 TOTAL 10268.8 MEAN 28.1 MAX 300 MIN 1.0 CFSM 5.31 IN 72.20 AC-FT 20370
WTR YR 1975 TOTAL 9726.1 MEAN 26.6 MAX 300 MIN 4.0 CFSM 5.03 IN 68.38 AC-FT 19290

PEAK DISCHARGE (BASE, 400 CFS).--Oct. 8 (time and discharge unknown).
NOTE.--No gage-height record Oct. 1 to June 19 and July 1 to Aug. 25.

15072000 Fish Creek near Ketchikan

LOCATION.--Lat 55°23'30", long 131°11'40", Gateway Borough, on Revillagigedo Island, in Tongass National Forest, on right bank 50 ft (15 m) upstream from outlet of Low Lake, 600 ft (180 m) upstream from mouth at Thorne Arm, and 18 mi (29 km) east of Ketchikan.

DRAINAGE AREA.--32.1 mi^2 (83.1 km^2), excludes that of Granite Lake drainage basin.

PERIOD OF RECORD.--May 1915 to October 1935, October 1938 to current year. Prior to October 1945, monthly discharge only. Prior to January 1921, published as "near Sea Level, Revillagigedo Island."

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m) by barometer. Prior to October 1935 at different datum.

AVERAGE DISCHARGE.--57 years, 424 ft^3/s (12.01 m^3/s), 179.37 in/yr (4,556 mm/yr), 307,200 acre-ft/yr (379 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 4,540 ft^3/s (129 m^3/s) Oct.8, gage height, 5.19 ft (1.582 m); minimum daily, 50 ft^3/s (1.42 m^3/s) Feb. 14.

Period of record: Maximum discharge, 5,400 ft^3/s (153 m^3/s) Oct. 15, 1961, gage height, 8.85 ft (2.697 m), from rating curve extended above 3,600 ft^3/s (102 m^3/s); minimum daily, 20 ft^3/s (0.57 m^3/s) Sept. 9, 10, 1928.

REMARKS.--Records good except those for Feb.7 to Apr. 7, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2260	622	413	647	113	100	160	267	519	316	349	111
2	2680	1130	336	569	100	100	150	279	589	334	384	143
3	1550	1560	277	445	90	100	140	305	702	396	385	240
4	880	1910	247	323	83	120	130	348	762	502	340	605
5	546	1840	269	276	75	140	130	416	1010	530	408	1340
6	1370	1620	350	223	70	140	140	393	1300	478	583	1350
7	2090	1440	693	187	65	130	135	335	1020	447	815	865
8	3790	1320	1130	136	60	120	123	293	749	503	641	604
9	3540	1170	1270	105	60	110	120	313	592	532	573	419
10	1790	972	1050	112	55	110	126	529	589	517	643	325
11	992	712	707	108	55	120	152	811	601	480	632	261
12	821	479	472	103	55	130	202	909	558	414	479	213
13	674	334	338	97	55	150	225	833	734	347	356	175
14	598	256	431	101	50	200	219	642	830	303	288	166
15	1350	221	375	121	55	200	214	587	741	279	247	173
16	1220	296	437	142	70	180	218	663	613	265	214	172
17	769	317	420	247	90	160	241	735	527	276	197	160
18	1110	266	473	295	120	140	364	720	512	295	187	143
19	2110	222	519	356	200	140	412	581	571	338	174	127
20	1640	184	558	360	300	130	347	453	631	483	163	114
21	920	154	401	511	250	130	303	478	582	544	171	104
22	1360	139	292	485	200	120	378	574	505	448	179	96
23	1920	154	295	377	180	120	381	599	453	382	173	90
24	1160	186	749	287	160	140	334	496	430	595	156	90
25	657	162	1340	228	140	160	285	404	416	801	139	131
26	499	336	1090	190	120	150	333	365	388	994	125	250
27	634	363	670	180	110	140	320	350	368	1210	116	437
28	648	540	452	170	110	130	289	387	351	1010	113	421
29	622	670	481	159	---	130	288	518	326	687	116	463
30	465	565	411	142	---	120	274	538	316	472	116	905
31	446	---	739	124	---	140	---	506	---	379	112	---
TOTAL	41111	20140	17685	7806	3091	4200	7133	15621	18285	15557	9574	10353
MEAN	1326	671	570	252	110	135	238	504	610	502	309	345
MAX	3790	1910	1340	647	300	200	412	909	1300	1210	815	1350
MIN	446	139	247	97	50	100	120	267	316	265	112	90
CFSM	41.3	20.9	17.8	7.85	3.43	4.21	7.41	15.7	19.0	15.6	9.63	10.7
IN.	47.64	23.34	20.49	9.05	3.58	4.87	8.27	18.10	21.19	18.03	11.09	12.00
AC-FT	81540	39950	35080	15480	6130	8330	14150	30980	36270	30860	18990	20540

CAL YR 1974 TOTAL 181254 MEAN 497 MAX 3790 MIN 30 CFSM 15.5 IN 210.04 AC-FT 359500
WTR YR 1975 TOTAL 170556 MEAN 467 MAX 3790 MIN 50 CFSM 14.5 IN 197.65 AC-FT 338300

PEAK DISCHARGE (BASE, 2,200 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-01	2130	4.32	3,390	10-08	2130	5.19	4,540

NOTE.--No gage-height record Feb. 7 to Apr. 7.

15081500 Staney Creek near Craig

LOCATION.--Lat 55°48'57", long 133°07'58", in Tongass National Forest, on Prince of Wales Island, on left bank, 1.3 mi (2.1 km) upstream from mouth at Tuxekan Passage, and 23 mi (37 km) north of Craig.

DRAINAGE AREA.--51.6 mi^2 (133.6 km^2).

PERIOD OF RECORD.--October 1964 to current year. Published as Lester River near Craig, October 1964 to September 1966.

GAGE.--Water-stage recorder. Altitude of gage is 2 ft (0.6 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 363 ft^3/s (10.28 m^3/s), 95.53 in/yr (2,426 mm/yr), 263,000 acre-ft/yr (324 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 10,600 ft^3/s (300 m^3/s) Oct. 8, gage height, 10.88 ft (3.316 m), from rating curve extended above 3,000 ft^3/s (85 m^3/s); minimum daily, 29 ft^3/s (0.82 m^3/s) Aug. 31.

Period of record: Maximum discharge, 15,600 ft^3/s (442 m^3/s) Oct. 18, 1964, gage height, 13.1 ft (3.99 m) from floodmarks, from rating curve extended above 3,000 ft^3/s (85 m^3/s); minimum daily, 8.7 ft^3/s (0.24 m^3/s) Aug. 22-25, 1965.

REMARKS.--Records good. Most high tides cause backwater at the gage and are shown on the stage record. Records of chemical analyses and water temperatures for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD Alaska 1972: 1965 (M). WRD Alaska 1974: 1966-68 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4890	1370	218	588	130	200	341	346	323	109	318	30
2	1310	2770	176	1070	94	162	389	454	314	139	239	52
3	669	1790	159	555	80	149	221	449	302	214	149	228
4	190	608	190	277	70	173	180	493	439	187	103	544
5	272	379	318	225	60	100	149	394	503	120	83	724
6	3530	370	375	197	55	97	169	323	634	97	86	617
7	844	577	1790	204	50	88	232	236	404	106	114	410
8	5690	813	2110	152	45	100	270	289	274	100	80	365
9	467	1710	772	140	40	70	323	652	323	86	149	468
10	169	1540	384	140	35	58	399	943	384	75	430	228
11	670	483	384	160	33	70	572	663	225	63	310	136
12	693	243	293	200	30	75	503	534	394	58	149	94
13	250	176	228	250	40	70	360	332	588	120	94	78
14	933	152	730	350	50	112	327	297	370	83	70	97
15	2290	1260	619	500	80	112	310	365	310	94	61	197
16	997	478	834	1000	110	83	394	306	218	88	63	142
17	262	266	310	1400	297	72	628	430	197	86	61	80
18	2250	211	1160	500	1500	72	984	534	211	78	54	70
19	1610	176	1310	1600	1410	94	404	310	228	97	46	58
20	306	180	957	1210	336	100	266	274	183	232	44	52
21	390	159	389	669	610	91	262	493	136	142	75	46
22	6900	136	225	663	1980	86	350	439	197	86	106	42
23	822	205	2100	1510	1240	83	384	293	166	72	65	39
24	228	420	2790	1120	404	70	350	204	149	112	48	37
25	139	232	1090	365	232	65	341	225	162	399	40	54
26	317	2110	834	281	297	56	640	250	159	250	37	232
27	595	853	375	214	460	52	346	236	123	332	33	149
28	346	730	274	197	297	204	384	323	112	214	33	97
29	302	687	1230	173	---	908	444	281	109	117	32	166
30	420	350	350	180	---	503	379	225	100	83	30	365
31	420	---	2540	139	---	218	---	250	---	149	29	---
TOTAL	39171	21514	25514	16229	10081	4393	11301	11843	8317	4188	3231	5897
MEAN	1264	717	823	524	360	142	377	382	277	135	104	197
MAX	6900	2770	2790	1600	1980	908	984	943	634	399	430	724
MIN	139	136	159	139	30	52	149	204	100	58	29	30
CFSM	24.5	13.9	15.9	10.2	6.98	2.75	7.31	7.40	5.37	2.62	2.02	3.82
IN.	28.24	15.51	18.39	11.70	7.27	3.17	8.15	8.54	6.00	3.02	2.33	4.25
AC-FT	77700	42670	50610	32190	20000	8710	22420	23490	16500	8310	6410	11700

CAL YR 1974 TOTAL 145864 MEAN 400 MAX 6900 MIN 12 CFSM 7.75 IN 105.16 AC-FT 289300
WTR YR 1975 TOTAL 161679 MEAN 443 MAX 6900 MIN 29 CFSM 8.59 IN 116.56 AC-FT 320700

PEAK DISCHARGE (BASE, 8,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-01	0700	10.82	10,400	10-22	1500	10.67	10,100
10-08	0700	10.88	10,600				

15085100 Old Tom Creek near Kasaan

LOCATION.--Lat 55°23'44", long 132°24'25", in SW¼NW¼ sec.6, T.75 S., R.86 E., on Prince of Wales Island, in Tongass National Forest, on left bank, 1,000 ft (300 m) upstream from mouth at Skowl Arm of Kasaan Bay, 0.4 mi (0.6 km) downstream from unnamed tributary, and 10 mi (16 km) south of Kasaan.

DRAINAGE AREA.--5.90 mi^2 (15.28 km^2).

PERIOD OF RECORD.--June 1949 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 10 ft (3 m) from topographic map.

AVERAGE DISCHARGE.--26 years, 37.6 ft^3/s (1.065 m^3/s), 86.54 in/yr (2,198 mm/yr), 27,240 acre-ft/yr (33.6 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 464 ft^3/s (13.1 m^3/s) Oct. 8, gage height, 4.82 ft (1.469 m), from rating curve extended above 140 ft^3/s (4.0 m^3/s); maximum gage height, 6.34 ft (2.085 m) Feb. 22, backwater from ice; minimum daily discharge, 4.8 ft^3/s (0.136 m^3/s) Sept. 23.

Period of record: Maximum discharge, 883 ft^3/s (25.0 m^3/s) Apr. 16, 1952, gage height, 6.96 ft (2.121 m), from rating curve extended above 140 ft^3/s (4.0 m^3/s); minimum recorded, 0.16 ft^3/s (0.005 m^3/s) Nov. 15, 1965, gage height, 1.10 ft (0.335 m).

REMARKS.--Records good except those for Jan. 8-14 and Feb. 2 to Mar. 1, which are poor. Records of water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	55	41	68	14	23	27	46	59	21	12	6.1
2	83	124	40	115	13	19	29	97	51	23	11	6.7
3	55	166	31	63	12	18	32	81	56	26	10	7.5
4	37	103	27	31	11	16	24	80	60	26	11	19
5	36	81	48	26	10	14	20	56	66	23	18	28
6	118	66	75	20	9.5	13	20	35	52	21	57	25
7	69	56	226	17	9.3	12	23	27	37	20	61	16
8	294	152	162	16	8.8	11	26	51	37	19	23	14
9	92	109	223	15	8.5	11	32	92	54	19	28	12
10	41	103	106	14	8.0	11	49	119	45	18	21	10
11	109	73	67	15	7.7	10	60	106	31	16	17	9.1
12	96	35	61	19	7.4	10	48	77	54	15	14	8.4
13	45	25	71	25	6.9	9.7	32	59	60	14	12	7.9
14	82	20	178	30	6.5	10	30	56	51	14	11	10
15	176	31	81	44	6.7	10	34	99	47	13	10	9.8
16	74	27	67	77	7.6	10	56	68	36	13	9.7	9.4
17	37	26	57	129	9.5	10	83	64	40	13	9.9	7.9
18	115	27	138	44	15	17	86	52	45	12	9.3	6.8
19	98	23	104	135	22	24	43	36	49	12	8.5	6.2
20	46	18	108	82	50	20	27	49	35	13	8.0	5.8
21	61	16	49	56	60	18	49	63	27	13	7.6	5.7
22	359	20	27	92	110	15	148	43	30	11	7.4	5.5
23	107	74	94	138	50	14	130	32	28	22	7.0	4.8
24	50	59	158	82	30	12	92	28	24	33	6.5	5.6
25	29	29	108	38	25	12	64	35	26	34	6.9	8.5
26	102	262	74	25	30	12	71	35	27	22	7.0	15
27	182	112	38	20	37	11	42	41	23	20	6.2	10
28	64	206	28	17	25	21	30	65	22	17	7.2	8.1
29	35	122	70	15	---	56	37	41	21	14	7.6	8.4
30	95	60	55	15	---	41	42	37	21	13	6.9	10
31	63	---	228	14	---	24	---	47	---	13	6.3	---
TOTAL	3050	2280	2840	1497	610.4	514.7	1486	1817	1214	563	438.0	307.2
MEAN	98.4	76.0	91.6	48.3	21.8	16.6	49.5	58.6	40.5	18.2	14.1	10.2
MAX	359	262	228	138	110	56	148	119	66	34	61	28
MIN	29	16	27	14	6.5	9.7	20	27	21	11	6.2	4.8
CFSM	16.7	12.9	15.5	8.19	3.69	2.81	8.39	9.93	6.86	3.08	2.39	1.73
IN.	19.23	14.37	17.90	9.44	3.85	3.24	9.37	11.45	7.65	3.55	2.76	1.94
AC-FT	6050	4520	5630	2970	1210	1020	2950	3600	2410	1120	869	609

CAL YR 1974 TOTAL 14974.3 MEAN 41.0 MAX 359 MIN 3.0 CFSM 6.95 IN 94.40 AC-FT 29700
WTR YR 1975 TOTAL 16617.3 MEAN 45.5 MAX 359 MIN 4.8 CFSM 7.71 IN 104.76 AC-FT 32960

PEAK DISCHARGE (BASE, 450 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-08	0730	4.82	464	12-31	0500	4.78	456
10-22	2400	4.78	456				

15086600 Big Creek near Point Baker

LOCATION.--Lat 56°07'54", long 133°08'56", on Prince of Wales Island, in Tongass National Forest, on left bank, 1 mi (1.6 km) upstream from mouth at Whale Passage, 2.5 mi (4.5 km) downstream from small unnamed lake, and 24 mi (39 km) southeast of Point Baker.

DRAINAGE AREA.--11.2 mi² (29.0 km²).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 86.7 ft³/s (2.455 m³/s), 105.12 in/yr (2,670 mm/yr), 62,810 acre-ft/yr (77.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,660 ft³/s (47.0 m³/s) Oct. 8, gage height, 4.80 ft (1.463 m), from rating curve extended above 300 ft³/s (8.5 m³/s); minimum daily, 7.8 ft³/s (0.221 m³/s) Feb. 14.
Period of record: Maximum discharge, 2,390 ft³/s (67.7 m³/s) Sept. 3, 1966, gage height, 5.28 ft (1.609 m), from rating curve extended above 300 ft³/s (8.5 m³/s); minimum daily, 0.8 ft³/s (0.023 m³/s) Aug. 25, 28, 1965.

REMARKS.--Records good except those for Nov. 8 to Apr. 4, which are poor. Records of water temperature for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	674	70	70	85	20	20	60	145	56	15	82	21
2	356	80	60	75	17	20	70	159	59	20	69	26
3	276	100	50	70	15	22	70	174	73	56	66	44
4	156	150	45	62	13	25	65	183	82	52	54	109
5	164	200	45	56	12	30	61	155	80	39	48	118
6	750	156	50	52	11	27	77	129	104	33	42	168
7	442	132	70	50	10	24	101	115	96	32	44	116
8	1110	120	140	48	9.5	21	86	120	83	25	37	86
9	388	140	120	46	9.5	21	90	140	107	23	45	124
10	181	150	100	44	9.0	21	102	185	102	20	82	78
11	235	110	80	42	8.5	24	147	229	80	17	61	61
12	229	90	60	42	8.5	28	147	244	124	17	46	49
13	148	80	50	40	8.0	32	132	183	155	16	38	44
14	383	70	50	40	7.8	40	122	146	113	16	34	41
15	409	80	60	40	8.0	60	120	143	85	15	30	48
16	243	70	80	39	9.0	50	138	141	64	17	27	44
17	142	65	90	40	12	45	193	165	52	18	34	36
18	200	60	90	40	15	40	244	177	43	17	26	30
19	350	55	120	45	20	35	172	120	38	29	24	26
20	300	54	100	50	50	35	120	108	34	68	25	24
21	200	52	80	60	45	35	109	115	34	52	27	21
22	220	50	60	70	40	35	120	106	37	43	29	20
23	250	50	80	90	35	40	138	86	32	45	25	18
24	200	50	150	110	30	45	149	74	26	66	24	21
25	120	50	200	100	25	60	148	69	24	68	22	27
26	110	50	160	80	20	55	183	66	23	82	18	55
27	95	52	120	55	20	50	146	62	21	111	18	44
28	85	54	80	40	20	45	178	71	18	99	21	41
29	80	70	85	35	---	45	189	71	17	66	22	65
30	75	90	75	30	---	45	165	62	16	58	19	165
31	70	---	95	25	---	50	---	56	---	72	18	---
TOTAL	8641	2600	2715	1701	507.8	1125	3842	3999	1878	1307	1157	1782
MEAN	279	86.7	87.6	54.9	18.1	36.3	128	129	62.6	42.2	37.3	59.4
MAX	1110	200	200	110	50	60	244	244	155	111	82	165
MIN	70	50	45	25	7.8	20	60	56	16	15	18	18
CFSM	24.9	7.74	7.82	4.90	1.62	3.24	11.4	11.5	5.59	3.77	3.33	5.30
IN.	28.70	8.63	9.02	5.65	1.69	3.74	12.76	13.28	6.24	4.34	3.84	5.92
AC-FT	17140	5160	5390	3370	1010	2230	7620	7930	3730	2590	2290	3530

CAL YR 1974 TOTAL 30685.1 MEAN 84.1 MAX 1110 MIN 3.0 CFSM 7.51 IN 101.91 AC-FT 60860
WTR YR 1975 TOTAL 31254.8 MEAN 85.6 MAX 1110 MIN 7.8 CFSM 7.64 IN 103.80 AC-FT 61990

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-01	0400	4.01	957	10-19	Unknown	4.21	1,110
10-08	0600	4.80	1,660				

NOTE.--No gage-height record Nov. 8 to Apr. 4.

15093400 Sashin Creek near Big Port Walter

LOCATION.--Lat 56°22'32", long 134°39'40", in NW¼SW¼ sec.28, T.63 S., R.69 E., Greater Sitka Borough, on Baranof Island, in Tongass National Forest, on right bank, 0.7 mi (1.1 km) upstream from mouth at Little Port Walter, 1 mi (1.6 km) downstream from Sashin Lake, and 2.6 mi (4.2 km) east of Big Port Walter.

DRAINAGE AREA.--3.72 mi² (9.63 km²).

PERIOD OF RECORD.--July 1965 to September 1973 and October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 80.2 ft³/s (2.271 m³/s), 292.77 in/yr (7,436 mm/yr), 58,100 acre-ft/yr (71.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,070 ft³/s (30.3 m³/s) Oct. 21, gage height, 5.18 ft (1.579 m); minimum daily, 7.8 ft³/s (0.22 m³/s) Feb. 11.

Period of record: Maximum discharge, 1,500 ft³/s (42.5 m³/s) Nov. 20, 1972, gage height, 4.70 ft (1.433 m), from rating curve extended above 760 ft³/s (21.5 m³/s) on basis of slope-area measurement of peak flow at gage height of 4.5 ft (1.37 m) from floodmarks; maximum gage height, 5.35 ft (1.631 m) Mar. 12, 1971, backwater from ice; minimum discharge, 0.75 ft³/s (0.021 m³/s) Jan. 30, 1969.

REMARKS.--Records good except those for Feb. and Mar. and those above 300 ft³/s (8.49 m³/s), which are poor. Records of water temperatures for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD Alaska 1971: Drainage area. WRD Alaska 1972: 1965-67, 1968-71 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	440	207	62	78	16	13	27	48	125	62	54	14
2	350	521	48	136	15	14	22	74	146	131	44	17
3	230	622	36	60	14	16	18	80	183	120	48	32
4	130	270	30	41	12	19	16	78	173	108	39	47
5	100	222	170	32	11	20	15	80	238	94	36	41
6	120	266	226	27	10	21	23	68	206	70	64	86
7	400	198	559	22	9.5	15	34	50	169	79	51	54
8	700	190	364	18	9.0	13	30	78	169	87	61	49
9	560	146	107	17	8.6	11	23	118	310	97	67	54
10	350	100	118	16	8.2	11	22	159	246	100	64	36
11	200	62	120	14	7.8	11	51	218	162	90	50	38
12	190	42	66	13	8.3	10	47	198	221	79	43	26
13	193	34	57	12	8.9	10	36	198	238	70	39	27
14	296	34	53	13	10	14	31	149	187	56	36	27
15	193	103	41	14	12	11	29	202	143	52	33	25
16	118	47	36	75	15	10	28	198	125	54	31	22
17	98	38	34	52	20	9.2	35	202	110	60	30	19
18	120	34	42	84	26	9.0	41	140	105	65	28	18
19	82	28	53	198	50	12	34	120	110	74	24	18
20	57	24	53	94	100	13	30	195	108	68	22	16
21	470	21	37	76	45	11	39	183	88	59	20	15
22	659	27	50	104	24	10	88	146	76	53	20	14
23	230	87	229	140	18	9.0	72	113	70	108	21	14
24	554	48	166	74	16	10	56	94	108	271	21	28
25	770	82	168	45	15	9.5	50	86	86	224	26	46
26	410	415	96	34	14	9.0	51	84	66	176	19	68
27	241	216	54	30	14	12	39	88	67	111	17	75
28	162	412	53	26	13	62	47	230	70	79	16	62
29	151	214	51	24	---	39	56	166	68	61	15	87
30	256	183	78	21	---	23	47	134	66	54	15	186
31	155	---	197	18	---	18	---	120	---	57	14	---
TOTAL	8993	4805	3534	1608	530.3	475.5	1137	4897	4229	2949	1054	1253
MEAN	290	160	114	51.9	18.9	15.3	37.9	132	141	95.1	34.0	41.8
MAX	770	622	559	198	100	62	88	230	310	271	67	186
MIN	57	21	30	12	7.8	9.0	15	48	66	52	14	14
CFSM	78.0	43.0	30.6	14.0	5.08	4.11	10.2	35.5	37.9	25.6	9.14	11.2
IN.	89.91	48.04	35.33	16.08	5.30	4.75	11.37	40.96	42.28	29.48	10.56	12.53
AC-FT	17840	9530	7010	3190	1050	943	2260	8130	8390	5850	2090	2490

WTR YR 1975 TOTAL 34664.8 MEAN 95.0 MAX 770 MIN 7.8 CFSM 25.5 IN 346.55 AC-FT 68760

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-08	Unknown	Unknown	Unknown	11-03	0830	5.15	1,030
10-21	2300	5.18	1,070	12-07	1430	4.80	880
10-25	1800	5.01	990				

15106920 Kadashan River above Hook Creek near Tenakee

LOCATION.--Lat 57°39'46", long 135°11'06", in NW¼SE¼ sec.34, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, on left bank 0.6 mi (1.0 km) above Hook Creek, 3.5 mi (5.6 km) upstream from mouth at Kadashan Bay, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--10.2 mi² (26.4 km²).

PERIOD OF RECORD.--January 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30 m) from topographic map. Prior to Oct. 24, 1969, at site 15 ft (4.6 m) downstream at different datum.

AVERAGE DISCHARGE.--7 years, 66.0 ft³/s (1.869 m³/s), 87.87 in/yr (2,232 mm/yr), 47,820 acre-ft/yr (59.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,610 ft³/s (45.6 m³/s) Nov. 15, gage height, 6.12 ft (1.865 m); from rating curve extended as explained below; minimum daily, 4.0 ft³/s (0.11 m³/s) Feb. 11-13.

Period of record: Maximum discharge, 1,610 ft³/s (45.6 m³/s) Nov. 15, 1974, gage height, 6.12 ft (1.865 m), from rating curve extended above 950 ft³/s (26.9 m³/s) on basis of slope-area measurement at gage height 5.8 ft (1.77 m) from floodmarks; minimum daily, 4.0 ft³/s (0.11 m³/s) Jan. 18-21, 1970, Jan. 15-18, 1974, Feb. 11-13, 1975.

REMARKS.--Records fair except those for Dec. 10 to May 8 and July 2 to Aug. 7, which are poor. Records of water temperatures and suspended-sediment loads for the current year are published in Section 2 of this report.

REVISIONS.--WRD Alaska 1969: Drainage area. WRD Alaska 1972: 1968-69.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	238	70	100	11	12	17	60	169	100	42	14
2	152	349	60	60	10	11	24	90	166	150	42	20
3	78	495	54	40	9.0	10	20	110	128	130	30	30
4	62	200	50	35	8.0	10	17	120	138	100	27	55
5	295	170	53	30	7.0	9.5	15	100	172	80	23	50
6	334	124	118	26	6.0	9.0	14	70	132	80	23	84
7	137	114	108	22	5.0	9.0	15	55	172	90	23	143
8	262	122	316	18	5.0	9.0	17	72	130	80	20	153
9	75	156	168	15	4.5	12	19	110	166	70	26	147
10	96	164	80	12	4.5	10	24	200	138	70	30	50
11	310	98	60	12	4.0	9.0	30	245	93	70	25	35
12	205	67	55	17	4.0	8.0	45	200	100	50	23	36
13	124	57	50	16	4.0	8.0	40	145	166	50	21	96
14	238	194	40	15	4.5	8.0	35	135	138	45	19	86
15	436	468	35	14	5.0	8.0	30	155	116	40	19	52
16	367	150	30	13	6.0	8.0	25	130	114	45	19	37
17	422	104	28	20	8.0	8.0	35	120	122	45	20	30
18	200	86	27	25	10	8.0	60	104	126	40	19	30
19	182	74	50	60	14	8.0	50	112	146	40	56	51
20	130	65	45	50	20	9.0	35	122	114	30	47	31
21	322	61	35	35	30	8.5	26	161	76	30	35	25
22	500	56	32	30	28	8.0	26	140	67	30	26	21
23	492	57	160	35	25	8.0	30	92	67	33	20	20
24	225	64	130	34	20	8.0	35	88	81	34	19	19
25	242	54	90	30	16	9.0	40	126	82	34	18	20
26	280	180	60	25	15	8.5	50	132	71	34	17	27
27	168	136	40	22	14	8.0	45	146	71	50	15	57
28	154	225	36	19	13	10	40	208	74	40	15	80
29	160	140	35	17	---	24	40	144	105	30	15	92
30	120	92	50	15	---	18	45	124	92	27	14	397
31	168	---	200	13	---	14	---	128	---	27	14	---
TOTAL	7261	4560	2365	875	310.5	307.5	944	3944	3532	1774	762	1988
MEAN	234	152	76.3	28.2	11.1	9.92	31.5	127	118	57.2	24.6	66.3
MAX	500	495	316	100	30	24	60	245	172	150	56	397
MIN	62	54	27	12	4.0	8.0	14	55	67	27	14	14
CFSM	22.9	14.9	7.48	2.76	1.09	.97	3.09	12.4	11.6	5.61	2.41	6.50
IN.	26.48	16.63	8.62	3.19	1.13	1.12	3.44	14.38	12.88	6.47	2.78	7.25
AC-FT	14400	9040	4690	1740	616	610	1870	7820	7010	3520	1510	3940

CAL YR 1974 TOTAL 28848.4 MEAN 79.0 MAX 500 MIN 4.0 CFSM 7.74 IN 105.20 AC-FT 57220
WTR YR 1975 TOTAL 28623.0 MEAN 78.4 MAX 500 MIN 4.0 CFSM 7.69 IN 104.38 AC-FT 56770

PEAK DISCHARGE (BASE, 750 CFS, REVISED)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-05	1515	4.64	890	11-02	2030	5.85	1,480
10-15	1730	5.15	1,020	11-15	0500	6.12	1,610
10-22	1315	5.73	1,400	09-30	1630	5.12	1,110

NOTE.--No gage-height record Feb. 2 to May 8 and July 2 to Aug. 7.

15106940 Hook Creek above Tributary near Tenakee

LOCATION.--Lat 57°40'39", long 135°07'42", in NW¼SE¼ sec.25, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, on right bank, 0.5 mi (0.8 km) upstream from unnamed tributary, 2.5 mi (4.0 km) upstream from confluence with Kadashan River, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--4.48 mi² (11.60 km²).

PERIOD OF RECORD.--August 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 300 ft (90 m) from topographic map. Prior to May 15, 1969, water-stage recorder and wooden control at site 130 ft (39 m) downstream at datum 1.0 ft (0.30 m) lower.

AVERAGE DISCHARGE.--8 years, 26.8 ft³/s (0.759 m³/s), 81.24 in/yr (2,063 mm/yr), 19,420 acre-ft/yr (23.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 988 ft³/s (28.0 m³/s) Nov. 2, gage height, 3.41 ft (1.039 m); maximum gage height, 5.32 ft (1.622 m) Jan. 6, backwater from ice; minimum daily discharge, 2.5 ft³/s (0.071 m³/s) Feb. 12.

Period of record: Maximum discharge, 1,220 ft³/s (34.6 m³/s) Oct. 5, 1972, gage height, 3.7 ft (1.13 m) from floodmarks, from rating curve extended above 65 ft³/s (1.84 m³/s) on basis of slope-area measurement of peak flow; maximum gage height, 5.71 ft (1.740 m) Mar. 13, 1972, backwater from ice; minimum daily discharge, 1.5 ft³/s (0.042 m³/s) Jan. 29 to Feb. 5, Dec. 23 and 24, 1971, Jan. 21-29, 1972.

REMARKS.--Records good except those for Jan. 3 to Mar. 4, which are poor. Records of water temperatures for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD Alaska 1970: Drainage area. WRD Alaska 1972: 1969-71 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	99	20	26	5.5	6.0	8.7	37	123	57	27	8.7
2	57	247	16	20	5.5	5.5	14	49	111	95	21	11
3	29	212	14	16	5.0	5.0	9.6	55	80	81	15	15
4	22	86	12	14	4.5	5.0	6.8	62	76	58	13	24
5	101	70	11	12	4.0	4.8	5.8	50	97	42	12	20
6	160	56	32	11	4.0	4.7	5.6	35	112	47	14	24
7	86	50	168	10	3.5	4.3	7.6	25	83	55	12	45
8	136	66	138	9.0	3.5	4.0	8.0	32	67	43	10	47
9	37	63	76	8.5	3.5	3.9	8.0	68	109	41	17	58
10	29	64	34	8.0	3.0	3.6	11	139	86	42	19	23
11	130	45	38	10	3.0	3.9	29	160	57	34	15	21
12	84	32	37	15	2.5	3.9	23	116	69	26	14	20
13	60	26	27	14	2.8	3.9	20	85	102	27	12	35
14	145	71	24	13	3.2	3.9	15	76	78	24	10	44
15	280	256	19	12	3.5	3.6	13	96	66	23	9.2	28
16	209	49	16	11	3.8	3.6	12	80	70	25	8.7	23
17	194	33	14	11	4.2	3.6	20	80	83	24	11	20
18	90	28	14	12	5.0	3.3	32	62	88	20	9.5	18
19	82	23	26	25	6.0	3.2	20	51	93	18	25	25
20	51	20	21	22	7.0	3.2	15	60	67	16	21	21
21	160	18	16	15	13	3.2	12	84	54	14	15	18
22	261	17	14	13	12	3.2	13	75	54	14	12	17
23	76	16	103	16	11	3.0	19	51	57	20	11	15
24	104	16	71	15	9.5	2.9	20	52	57	19	9.7	14
25	123	14	48	13	8.5	2.9	20	76	47	19	9.7	15
26	152	49	30	11	8.0	2.9	24	104	46	20	8.6	18
27	82	37	20	10	7.5	2.9	23	111	46	32	8.2	26
28	59	76	17	8.5	7.0	7.7	23	128	53	22	8.0	32
29	59	40	16	7.5	---	10	22	101	57	17	7.3	77
30	54	26	24	6.5	---	8.0	27	81	50	16	7.0	204
31	68	---	116	6.0	---	6.7	---	88	---	17	6.3	---
TOTAL	3309	1905	1232	401.0	159.5	136.3	487.1	2369	2238	1008	398.2	966.7
MEAN	107	63.5	39.7	12.9	5.70	4.40	16.2	76.4	74.6	32.5	12.8	32.2
MAX	280	256	168	26	13	10	32	160	123	95	27	204
MIN	22	14	11	6.0	2.5	2.9	5.6	25	46	14	6.3	8.7
CFSM	23.9	14.2	8.86	2.88	1.27	.98	3.62	17.0	16.6	7.25	2.86	7.19
IN.	27.47	15.81	10.23	3.33	1.32	1.13	4.04	19.67	18.58	8.37	3.31	8.03
AC-FT	6560	3780	2440	795	316	270	966	4700	4440	2000	790	1920

CAL YR 1974 TOTAL 13112.0 MEAN 35.9 MAX 280 MIN 2.0 CFSM 8.01 IN 108.85 AC-FT 26010
WTR YR 1975 TOTAL 14609.8 MEAN 40.0 MAX 280 MIN 2.5 CFSM 8.93 IN 121.20 AC-FT 28980

PEAK DISCHARGE (BASE, 260 CPS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-05	1330	2.25	333	11-02	1930	3.41	988
10-08	0100	2.27	340	11-15	0415	3.19	823
10-15	1745	2.96	676	12-07	1600	2.17	305
10-22	1245	2.92	652	09-30	1630	3.04	724

15106960 Hook Creek near Tenakee

LOCATION.--Lat 57°40'22", long 135°10'40", in SE¼SE¼ sec.27, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, on right bank, 1 mi (1.6 km) upstream from confluence with Kadashan River, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--8.00 mi^2 (20.72 km^2).

PERIOD OF RECORD.--December 1966 to current year. Published as "above Kadashan River" prior to September 1969.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m) from topographic map.

AVERAGE DISCHARGE.--8 years, 43.6 ft^3/s (1.235 m^3/s), 74.01 in/yr (1,880 mm/yr), 31,590 acre-ft/yr (39.0 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,200 ft^3/s (34.0 m^3/s) Nov. 2 and 15, gage height, 4.36 ft (1.329 m) Nov. 15; from rating curve extended above 240 ft^3/s (6.8 m^3/s) on basis of slope-area measurement of peak flow; maximum gage height, 4.69 ft (1.430 m) Mar. 25, backwater from ice; minimum daily discharge, 5.0 ft^3/s (0.142 m^3/s) Feb. 12.

Period of record: Maximum discharge, 1,410 ft^3/s (39.9 m^3/s) Oct. 5, 1972, gage height, 4.78 ft (1.457 m), from rating curve extended above 240 ft^3/s (6.8 m^3/s) on basis of slope-area measurement of peak flow; maximum gage height, 5.29 ft (1.612 m) Mar. 13, 1972, backwater from ice; minimum daily discharge, 2.5 ft^3/s (0.071 m^3/s) Jan. 20-29, 1972.

REMARKS.--Records good except those for Jan. 6 to Mar. 27, which are poor. Records of chemical analyses and water temperatures for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD Alaska 1970: Drainage area. WRD Alaska 1972: 1967-69, 70-71 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	121	65	49	12	9.0	13	56	138	63	29	10
2	100	371	50	38	11	8.5	18	72	131	103	27	12
3	51	376	40	32	10	8.0	15	89	95	88	20	16
4	37	131	30	27	9.5	7.5	12	96	99	66	17	25
5	133	100	25	24	9.0	7.5	11	67	100	50	15	22
6	254	81	43	22	8.0	7.0	11	49	114	54	16	24
7	113	71	203	20	7.5	7.0	14	42	96	62	15	45
8	237	90	177	18	7.0	7.0	14	46	80	51	13	44
9	74	89	97	16	6.5	9.0	14	97	124	48	18	64
10	52	90	52	15	6.0	7.5	18	205	103	49	22	29
11	194	69	53	18	5.5	7.0	34	221	70	40	18	24
12	146	52	54	30	5.0	6.0	35	154	80	33	16	22
13	98	44	46	28	5.5	6.0	32	109	112	33	15	45
14	261	112	40	25	6.0	6.0	25	101	87	30	13	50
15	442	518	34	23	6.5	6.0	23	125	72	28	12	31
16	464	125	29	22	7.0	6.0	20	104	77	31	11	25
17	382	85	25	22	8.0	6.0	30	95	93	30	13	22
18	170	65	25	25	10	6.0	48	75	99	26	12	20
19	169	68	44	50	12	6.0	31	63	99	24	26	28
20	111	68	39	40	15	7.0	23	71	70	21	25	21
21	306	54	31	30	25	6.0	20	95	57	20	18	18
22	481	54	26	25	20	6.0	21	89	58	19	15	17
23	120	55	141	30	17	6.0	27	64	61	23	13	16
24	166	56	112	28	14	6.0	29	62	65	23	13	15
25	200	51	67	25	13	7.0	31	86	56	22	12	15
26	253	117	55	21	12	6.0	39	101	54	23	12	17
27	123	108	38	19	11	6.0	35	107	54	35	11	26
28	88	164	32	17	10	6.4	30	146	60	26	10	33
29	90	123	33	15	---	19	32	116	65	20	10	76
30	81	93	38	14	---	14	41	97	57	18	9.5	282
31	90	---	195	13	---	10	---	101	---	18	8.9	---
TOTAL	5700	3601	1939	781	289.0	232.4	746	3001	2526	1177	485.4	1094
MEAN	184	120	62.5	25.2	10.3	7.50	24.9	96.8	84.2	38.0	15.7	36.5
MAX	481	518	203	50	25	19	48	221	138	103	29	282
MIN	37	44	25	13	5.0	6.0	11	42	54	18	8.9	10
CFSM	23.0	15.0	7.81	3.15	1.29	.94	3.11	12.1	10.5	4.75	1.96	4.56
IN.	26.50	16.74	9.02	3.63	1.34	1.08	3.47	13.95	11.74	5.47	2.26	5.09
AC-FT	11310	7140	3850	1550	573	461	1480	5950	5010	2330	963	2170

CAL YR 1974 TOTAL 21107.9 MEAN 57.8 MAX 518 MIN 3.0 CFSM 7.23 IN 98.14 AC-FT 41870
WTR YR 1975 TOTAL 21571.8 MEAN 59.1 MAX 518 MIN 5.0 CFSM 7.39 IN 100.30 AC-FT 42790

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-06	1115	3.11	530	11-02	1930	4.35	1,200
10-11	2115	2.79	355	11-15	0415	4.36	1,200
10-15	1815	3.78	899	12-07	1645	2.88	404
10-22	1230	3.87	948	05-10	2000	2.69	306
10-26	0530	2.94	437	09-30	1700	3.59	794

NOTE.--No gage-height record Feb. 14 to Mar. 10.

15106980 Tonalite Creek near Tenakee

LOCATION.--Lat 57°40'42", long 135°13'17", Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, on right bank 2 mi (3.2 km) upstream from mouth at Kadashan River, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--14.5 mi^2 (37.6 km^2).

PERIOD OF RECORD.--June 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m) from topographic map. Prior to Mar. 23, 1970, at site 40 ft (12 m) upstream on left bank at datum 0.30 ft (0.091 m) higher.

AVERAGE DISCHARGE.--7 years, 95.5 ft^3/s (2.705 m^3/s), 89.44 in/yr (2,272 mm/yr), 69,190 acre-ft/yr (85.3 hm^3/yr).

EXTREMES.--Current year: Maximum daily discharge, 900 ft^3/s (25.5 m^3/s) Oct. 22; minimum daily, 8.0 ft^3/s (0.23 m^3/s) Feb. 12.

Period of record: Maximum discharge, 3,340 ft^3/s (94.6 m^3/s) Oct. 5, 1972, gage height, 7.83 ft (2.387 m) in gage well, 7.96 ft (2.426 m) from floodmarks, from rating curve extended above 210 ft^3/s (5.95 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 6.0 ft^3/s (0.17 m^3/s) Jan. 15-19, 1974.

REMARKS.--Records good except those for Oct. 1 to Nov. 20 and Dec. 7 to Apr. 20, which are poor. Records of water temperatures for the current year are published in Section 2 of this report.

REVISIONS.--WRD Alaska 1970: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	350	200	69	80	16	25	18	120	267	118	77	26
2	200	650	58	65	15	24	25	160	275	192	55	56
3	100	700	49	55	14	23	20	180	191	184	35	75
4	70	250	44	47	13	22	17	190	167	138	28	88
5	120	185	42	43	13	22	15	150	195	105	27	76
6	450	150	96	35	12	21	13	100	198	102	29	78
7	200	130	350	31	11	21	12	87	230	124	25	188
8	420	160	300	28	10	22	12	98	179	105	23	197
9	150	160	150	27	10	35	13	169	235	89	36	239
10	90	160	90	24	9.0	33	13	346	234	91	48	93
11	350	120	70	24	8.5	30	15	451	159	79	36	64
12	250	100	60	23	8.0	27	20	394	168	56	30	40
13	180	80	55	23	8.5	25	40	226	249	46	26	74
14	350	200	50	23	9.0	22	35	204	186	44	25	55
15	700	450	45	22	10	20	20	249	156	41	25	46
16	800	230	42	21	12	19	15	233	156	48	22	46
17	700	150	40	20	14	18	20	207	176	44	23	49
18	400	100	48	25	16	17	60	161	183	37	22	48
19	300	80	78	50	21	16	40	144	197	34	51	91
20	200	62	65	45	30	15	20	140	155	30	60	58
21	500	55	55	35	40	14	15	163	129	29	54	45
22	900	52	46	25	38	14	16	174	116	24	44	40
23	250	52	250	32	36	13	25	133	122	31	31	36
24	300	50	200	28	33	13	34	127	141	39	29	33
25	350	48	120	26	30	12	39	163	116	33	26	32
26	450	160	90	23	28	12	63	190	111	38	24	45
27	300	144	68	21	27	12	54	199	119	70	22	92
28	200	229	57	20	26	12	51	305	118	49	20	110
29	160	159	62	19	---	20	81	235	130	36	19	210
30	150	97	60	18	---	18	105	186	120	35	18	840
31	160	---	90	17	---	15	---	187	---	51	18	---
TOTAL	10180	5371	2899	975	518.0	612	926	6079	5186	2142	1008	3170
MEAN	326	179	93.5	31.5	18.5	19.7	30.9	196	173	69.1	32.5	106
MAX	900	700	350	80	40	35	105	451	275	192	77	840
MIN	70	48	40	17	8.0	12	12	87	111	24	18	26
CFSM	22.5	12.3	6.45	2.17	1.28	1.36	2.13	13.5	11.9	4.77	2.24	7.31
IN.	25.91	13.78	7.44	2.50	1.33	1.57	2.38	15.59	13.30	5.49	2.59	8.13
AC-FT	20030	10650	5750	1930	1030	1210	1840	12060	10290	4250	2000	6290

CAL YR 1974 TOTAL 41529.0 MEAN 114 MAX 900 MIN 6.5 CFSM 7.86 IN 106.54 AC-FT 82370
WTR YR 1975 TOTAL 38986.0 MEAN 107 MAX 900 MIN 8.0 CFSM 7.38 IN 100.01 AC-FT 77330

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-06	Unknown		Unknown	11-02	Unknown		Unknown
10-22	Unknown		Unknown	11-15	Unknown		Unknown

NOTE.--No gage-height record Oct. 1 to Nov. 20 and Dec. 7 to Jan. 15.

15107000 Kadashan River near Tenakee

LOCATION.--Lat 57°41'43", long 135°12'59", in SE¼NW¼ sec.21, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, on right bank, 700 ft (213 m) downstream from mouth of Tonalite Creek, 0.5 mi (0.8 km) upstream from mouth at Kadashan Bay in Tenakee Inlet, and 7 mi (11 km) south of Tenakee.

DRAINAGE AREA.--37.7 mi^2 (97.6 km^2).

PERIOD OF RECORD.--September 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3 ft (0.9 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 234 ft^3/s (6.63 m^3/s), 84.29 in/yr (2,141 mm/yr), 169,500 acre-ft/yr (209 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 4,340 ft^3/s (123 m^3/s) Oct. 22, gage height, 9.12 ft (2,780 m), from rating curve extended above 1,000 ft^3/s (28.3 m^3/s); minimum daily, 20 ft^3/s (0.57 m^3/s) Feb. 12.
Period of record: Maximum discharge, 6,070 ft^3/s (172 m^3/s) Oct. 5, 1972, gage height, 10.41 ft (3.173 m), from rating curve extended above 1,000 ft^3/s (28.3 m^3/s); minimum daily, 14 ft^3/s (0.40 m^3/s) Jan. 29 to Feb. 1, 1966.

REMARKS.--Records good except those for Nov. 2 to May 7, which are poor. Most high tides cause backwater at the gage and are shown on the stage record. Records of water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	739	240	300	46	54	60	250	772	379	210	69
2	508	1600	200	200	42	50	80	350	517	591	165	113
3	245	1800	150	150	39	49	65	450	396	422	117	165
4	160	600	130	120	36	46	55	400	570	319	98	208
5	891	500	120	110	33	45	50	350	522	257	91	180
6	1760	400	300	95	30	44	45	300	613	281	97	204
7	704	370	800	85	27	44	47	250	486	309	90	430
8	1410	450	900	75	25	46	50	495	422	251	81	415
9	375	480	500	65	24	65	55	938	745	233	113	580
10	263	500	300	60	22	55	65	1170	422	236	155	194
11	963	350	230	65	21	50	80	998	333	188	119	133
12	982	260	200	80	20	48	110	613	583	149	103	125
13	439	210	180	75	21	46	130	555	522	141	93	198
14	1370	600	150	70	23	43	110	646	400	137	82	351
15	1960	1400	130	65	26	40	90	635	365	129	79	168
16	2060	600	120	65	29	39	70	555	426	155	75	129
17	1830	400	110	70	35	38	100	442	431	135	79	107
18	756	300	110	90	45	36	200	368	501	117	75	93
19	728	260	200	190	55	35	150	389	418	107	164	182
20	414	230	170	150	70	35	100	458	333	97	173	123
21	1240	200	140	120	110	35	70	490	290	93	135	98
22	2370	190	120	90	100	33	70	361	302	87	111	88
23	745	190	700	120	90	33	90	309	312	111	88	82
24	827	210	500	110	80	32	110	375	333	129	82	78
25	950	180	300	95	70	32	130	486	281	117	75	78
26	1220	500	230	80	65	31	180	478	287	135	69	98
27	591	450	170	75	60	30	160	734	284	215	63	193
28	474	700	150	65	58	35	140	662	330	151	58	236
29	535	500	150	60	---	70	170	495	333	111	55	309
30	375	300	200	55	---	60	200	434	287	105	52	1660
31	462	---	600	50	---	50	---	585	---	143	49	---
TOTAL	28975	15469	8500	3100	1302	1348	3032	16021	12816	6030	3096	7179
MEAN	935	516	274	100	46.5	43.5	101	517	427	195	99.9	239
MAX	2370	1800	900	300	110	70	200	1170	772	591	210	1660
MIN	160	180	110	50	20	30	45	250	281	87	49	69
CFSM	24.8	13.7	7.27	2.65	1.23	1.15	2.68	13.7	11.3	5.17	2.65	6.34
IN.	28.59	15.26	8.39	3.06	1.28	1.33	2.99	15.81	12.65	5.95	3.05	7.08
AC-FT	57470	30680	16860	6150	2580	2670	6010	31780	25420	11960	6140	14240

CAL YR 1974 TOTAL 103616 MEAN 284 MAX 2370 MIN 20 CFSM 7.53 IN 102.24 AC-FT 205500
WTR YR 1975 TOTAL 106060 MEAN 293 MAX 2370 MIN 20 CFSM 7.77 IN 105.45 AC-FT 212000

PEAK DISCHARGE (BASE, 2,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-06	1130	8.05	3,130	11-02	Unknown	Unknown	Unknown
10-15	2100	9.11	4,330	09-30	2030	8.45	3,600
10-22	1600	9.12	4,340				

NOTE.--No gage-height record Nov. 2 to May 7.

15108000 Pavlof River near Tenakee

LOCATION.--Lat 57°50'30", long 135°02'09", on Chichagof Island in Tongass National Forest, on left bank 250 ft (76 m) upstream from falls at outlet of Pavlof Lake, 0.1 mi (0.2 km) upstream from mouth at Pavlof Harbor, and 8 mi (13 km) northeast of Tenakee.

DRAINAGE AREA.--24.3 mi² (62.9 km²).

PERIOD OF RECORD.--June 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6 m) from topographic map.

AVERAGE DISCHARGE.--18 years, 162 ft³/s (4.59 m³/s), 90.53 in/yr (2,299 mm/yr), 117,400 acre-ft/yr (145 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,900 ft³/s (82.1 m³/s) Oct. 16, gage height, 8.30 ft (2.530 m), from rating curve extended above 1,200 ft³/s (34 m³/s); minimum daily, 13 ft³/s (0.37 m³/s) Feb. 12.
Period of record: Maximum discharge, 2,970 ft³/s (84.1 m³/s) Jan. 4, 1963, gage height, 8.37 ft (2.551 m), from rating curve extended above 1,200 ft³/s (34 m³/s); minimum, 6.8 ft³/s (0.19 m³/s) Jan. 16-18, 1974.

REMARKS.--Records good except those for Dec. 24 to May 10, which are poor. Water-quality data for the current year are published in Section 2 of this report.

REVISIONS.--Revised figures of discharge, in cubic feet per second, for the water year 1970, superseding the figures published in WRD Alaska 1970, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
1969		1969-Con.		1970		1970-Con.	
Dec. 6	256	Dec. 16	63	Jan. 6	17	Jan. 16	10
7	470	17	47	7	16	17	10
8	410	18	49	8	15	18	10
9	272	19	46	9	15	19	10
10	167	20	40	10	14	20	10
11	114	21	37	11	13	21	15
12	90	22	34	12	12	22	35
13	226	23	30	13	11	23	32
14	120	24	36	14	11	24	30
15	81	25	69	15	11	25	28

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches	Acre-feet
Dec.	5,181	470	30	167	6.87	7.93	10,280
CAL YR 1969	56,905	1,570	14	156	6.42	87.11	112,900
Jan.	1,370	245	10	44.2	1.82	2.10	2,720
WTR YR 1970	59,673	2,130	10	163	6.71	91.35	118,400
CAL YR 1970	50,500	2,130	10	138	5.68	77.31	100,200

Continued on next page

15108000 Pavlof River near Tenakee--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	817	487	88	400	30	24	40	120	316	168	171	55
2	487	650	72	150	28	22	45	180	371	332	168	111
3	218	1500	61	100	26	21	40	230	284	416	106	146
4	138	670	53	80	24	20	35	250	229	265	85	204
5	276	305	50	70	22	20	30	200	246	204	77	123
6	826	218	108	60	21	19	30	130	243	168	90	117
7	504	181	446	55	20	19	32	100	265	216	82	239
8	886	200	544	50	18	19	34	120	239	207	64	177
9	286	238	298	45	17	30	40	265	265	186	85	371
10	209	263	167	45	16	24	50	491	328	183	132	168
11	505	209	161	60	14	22	80	573	239	186	95	111
12	751	130	163	80	13	20	90	534	213	140	88	98
13	324	102	129	70	14	19	80	367	320	117	77	123
14	763	283	118	65	16	18	70	308	269	109	53	229
15	1060	1700	102	60	18	19	60	354	222	106	58	149
16	1840	347	83	60	20	20	50	362	210	111	53	109
17	1240	173	70	60	25	19	80	320	229	111	53	88
18	530	125	138	80	30	18	120	254	239	98	49	72
19	[illegible]	100	197	150	35	18	90	210	280	85	109	126
20	265	86	136	120	40	18	70	207	239	79	192	98
21	670	75	99	90	60	20	55	246	186	77	103	69
22	1190	67	75	70	55	18	60	269	152	67	74	60
23	789	68	447	80	45	18	70	207	155	74	53	51
24	612	88	300	70	35	17	75	186	174	106	47	45
25	642	73	200	60	33	20	80	207	164	98	43	51
26	929	284	150	55	30	18	100	243	149	126	37	88
27	472	259	100	50	28	18	90	254	152	201	34	201
28	283	314	90	45	26	20	80	341	161	134	33	210
29	355	185	90	40	---	50	85	328	195	98	32	232
30	256	123	150	36	---	40	100	272	177	88	29	850
31	234	---	500	33	---	30	---	243	---	123	27	---
TOTAL	18781	9503	5385	2489	759	678	1961	8361	6911	4679	2399	4771
MEAN	606	317	174	80.3	27.1	21.9	65.4	270	230	151	77.4	159
MAX	1840	1700	544	400	60	50	120	573	371	416	192	850
MIN	138	67	50	33	13	17	30	100	149	67	27	45
CFSM	24.9	13.0	7.16	3.30	1.12	.90	2.69	11.1	9.47	6.21	3.19	6.54
IN.	28.75	14.55	8.24	3.81	1.16	1.04	3.00	12.80	10.58	7.16	3.67	7.30
AC-FT	37250	18850	10680	4940	1510	1340	3890	16580	13710	9280	4760	9460

CAL YR 1974 TOTAL 67418.6 MEAN 185 MAX 1840 MIN 6.8 CFSM 7.61 IN 103.20 AC-FT 133700
WTR YR 1975 TOTAL 66677.0 MEAN 183 MAX 1840 MIN 13 CFSM 7.53 IN 102.07 AC-FT 132300

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-08	0630	6.48	1,25[illegible]	11-03	0400	7.03	1,700
10-16	0030	8.30	2,[illegible]0	11-15	0800	7.95	2,550
10-22	1930	6.75	1,470	12-24	0100	6.46	1,240
10-26	0615	6.47	1,250				

NOTE.--No gage-height record Dec. 24 to May 9.

15109000 Fish Creek near Auke Bay

LOCATION.--Lat 58°19'50", long 134°35'20", City and Borough of Juneau, on Douglas Island, in North Tongass National Forest, on right bank 400 ft (120 m) upstream from bridge on North Douglas Highway, and 4.5 mi (7.2 km) southeast of Auke Bay.

DRAINAGE AREA.--13.6 mi^2 (35.2 km^2).

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 17 ft (5.2 m), by levels from tide line.

AVERAGE DISCHARGE.--17 years, 79.1 ft^3/s (2.240 m^3/s), 78.98 in/yr (2,006 mm/yr), 57,310 acre-ft/yr (70.7 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,540 ft^3/s (43.6 m^3/s) Nov. 15, gage height, 5.14 ft (1.567 m); minimum daily, 4.0 ft^3/s (0.11 m^3/s) Feb. 12.
Period of record: Maximum discharge, 2,120 ft^3/s (60.0 m^3/s) Oct. 2, 1961, gage height, 5.05 ft (1.539 m); maximum gage height, 7.54 ft (2.298 m) Jan. 30, 1962, ice jam; minimum daily discharge, 1.0 ft^3/s (0.028 m^3/s) Feb. 4-7, 1966.

REMARKS.--Records good except those for Oct. 1-22 and Dec. 17 to Apr. 20, which are fair. Water-quality data for the current year are published in Section 2 of this report.

REVISIONS.--WRD Alaska 1972: 1971 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	274	47	70	7.2	6.6	11	84	223	197	150	60
2	175	331	38	45	6.7	6.1	12	111	368	451	120	110
3	75	412	31	26	6.1	5.9	11	130	230	460	90	140
4	50	180	27	22	5.8	5.7	10	160	209	262	78	190
5	100	109	27	19	5.5	5.6	8.6	126	248	153	76	110
6	200	77	49	17	5.2	5.5	9.2	80	210	159	86	130
7	180	58	283	16	4.9	5.4	13	67	245	202	76	220
8	300	48	278	14	4.6	5.4	23	63	213	164	66	170
9	76	91	102	12	4.4	5.4	18	128	255	152	80	350
10	120	111	66	10	4.2	5.4	21	296	309	157	120	160
11	200	85	51	14	4.1	5.4	49	339	170	140	88	110
12	250	51	42	14	4.0	5.4	42	498	132	93	84	100
13	110	39	38	12	5.2	5.4	33	246	284	89	60	130
14	250	143	32	11	7.0	5.3	28	181	276	87	44	215
15	350	554	28	9.0	5.6	5.2	24	228	182	89	53	140
16	620	121	23	7.8	5.3	5.2	22	271	167	111	45	100
17	400	77	21	8.6	6.8	5.2	30	284	197	84	37	82
18	220	61	20	15	8.0	5.2	65	147	230	70	38	74
19	140	48	39	32	9.3	5.2	50	103	258	75	160	115
20	96	44	30	34	11	5.2	38	120	180	100	199	80
21	240	38	25	22	14	5.1	32	210	128	87	96	54
22	400	34	20	20	16	5.1	28	265	122	74	62	41
23	194	32	100	21	12	5.0	30	136	134	78	40	35
24	380	31	65	20	11	5.0	37	113	138	124	32	31
25	330	29	46	17	9.5	5.0	44	138	125	105	28	31
26	322	79	37	13	8.5	5.0	59	181	116	153	26	38
27	370	85	27	11	7.7	5.0	43	193	122	198	23	119
28	280	131	24	10	7.0	5.2	38	289	138	112	21	171
29	168	87	30	9.4	---	14	58	441	165	80	22	152
30	118	69	130	8.6	---	12	63	221	147	100	20	425
31	147	---	110	7.8	---	10	---	185	---	160	15	---
TOTAL	7119	3529	1886	568.2	206.6	186.1	949.8	5954	5921	4566	2135	3883
MEAN	230	118	60.8	18.3	7.38	6.00	31.7	192	197	147	68.9	129
MAX	620	554	283	70	16	14	65	498	368	460	199	425
MIN	50	29	20	7.8	4.0	5.0	8.6	63	116	70	15	31
CFSM	16.9	8.68	4.47	1.35	.54	.44	2.33	14.1	14.5	10.8	5.07	9.49
IN.	19.47	9.65	5.16	1.55	.57	.51	2.60	16.28	16.19	12.49	5.84	10.62
AC-FT	14120	7000	3740	1130	410	369	1880	11810	11740	9060	4230	7700

CAL YR 1974 TOTAL 31768.9 MEAN 87.0 MAX 620 MIN 1.3 CFSM 6.40 IN 86.89 AC-FT 63010
WTR YR 1975 TOTAL 36903.7 MEAN 101 MAX 620 MIN 4.0 CFSM 7.43 IN 100.94 AC-FT 73200

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-02	1800	4.50	1,020	11-15	0600	5.14	1,540

15195000 Dick Creek near Cordova

LOCATION.--Lat 60°20'32", long 144°18'10", in NW¼ sec.2, T.18 S., R.6 E., Chugach National Forest, on left bank 1.2 mi (1.9 km) upstream from mouth at Bering Lake, and 52 mi (84 km) southeast of Cordova.

DRAINAGE AREA.--7.95 mi^2 (20.59 km^2).

PERIOD OF RECORD.--June 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 30 ft (9 m) from topographic map. Prior to Sept. 23, 1972 at site 100 ft (30 m) downstream at same datum.

AVERAGE DISCHARGE.--5 years, 110 ft^3/s (3.115 m^3/s), 187.90 in/yr (4,773 mm/yr), 79,700 acre-ft/yr (98.3 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,380 ft^3/s (67.4 m^3/s) Sept. 18, gage height, 8.95 ft (2.728 m), from rating curve extended above 940 ft^3/s (27 m^3/s) on basis of slope-conveyance study; minimum daily, about 7.0 ft^3/s (0.20 m^3/s) Mar. 15-27.
Period of record: Maximum discharge, 2,380 ft^3/s (67.4 m^3/s) Sept. 18, 1975, gage height, 8.95 ft (2.728 m), from rating curve extended above 940 ft^3/s (27 m^3/s) on basis of slope-conveyance study; minimum daily, 4.0 ft^3/s (0.11 m^3/s) Mar. 1-20, 1974.

REMARKS.--Records good except those for Nov. 17 to May 20, which are poor. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	346	40	18	10	10	8.0	130	367	814	164	34
2	31	708	35	18	10	9.0	8.0	130	443	326	146	33
3	24	723	32	17	10	8.0	8.0	130	304	296	126	32
4	26	220	30	17	10	8.0	8.0	130	646	406	117	32
5	524	147	35	17	10	8.0	8.0	130	271	238	107	150
6	151	105	50	16	9.0	8.0	8.0	90	304	222	96	400
7	296	78	80	16	9.0	8.0	8.0	70	455	238	92	300
8	135	93	120	16	9.0	8.0	10	60	447	232	101	150
9	123	125	80	16	9.0	8.0	40	100	560	238	76	110
10	109	104	40	15	9.0	8.0	90	500	512	240	68	500
11	200	65	35	15	8.0	8.0	60	700	308	208	68	1000
12	205	91	30	15	8.0	8.0	50	500	558	175	402	700
13	469	133	28	15	8.0	8.0	40	400	308	650	515	400
14	518	290	28	15	8.0	8.0	40	300	352	175	337	200
15	177	305	27	17	8.0	7.0	50	300	245	215	260	100
16	295	107	27	17	9.0	7.0	70	300	210	366	146	70
17	541	60	26	20	12	7.0	140	200	192	192	109	441
18	368	40	26	20	15	7.0	80	150	200	150	104	948
19	163	30	26	30	13	7.0	60	110	240	172	96	112
20	135	25	25	40	12	7.0	45	200	200	136	235	178
21	790	22	25	30	13	7.0	40	378	162	114	112	305
22	449	22	25	30	14	7.0	40	574	152	112	82	136
23	557	20	40	25	13	7.0	45	295	240	136	70	74
24	360	20	60	25	10	7.0	45	244	215	228	63	54
25	222	20	50	20	20	7.0	50	238	170	144	62	74
26	135	20	40	18	30	7.0	45	316	162	117	57	67
27	139	80	30	16	20	7.0	40	419	185	109	55	73
28	96	140	25	14	15	8.0	35	592	215	98	48	59
29	168	80	20	12	---	9.0	80	524	195	95	45	136
30	307	50	19	11	---	9.0	150	323	527	479	40	257
31	378	---	19	11	---	8.0	---	26[illegible]	---	278	37	---
TOTAL	8129	4269	1173	582	331.0	240.0	1401.0	8800	9345	7599	4036	7125
MEAN	262	142	37.8	18.8	11.8	7.74	46.7	284	312	245	130	238
MAX	790	723	120	40	30	10	150	700	646	814	515	1000
MIN	24	20	19	11	8.0	7.0	8.0	60	152	95	37	32
CFSM	33.0	17.9	4.75	2.36	1.48	.97	5.87	35.7	39.2	30.8	16.4	29.9
IN.	38.03	19.97	5.49	2.72	1.55	1.12	6.55	41.17	43.72	35.55	18.88	33.33
AC-FT	16120	8470	2330	1150	657	476	2780	17450	18540	15070	8010	14130

CAL YR 1974 TOTAL 40407.5 MEAN 111 MAX 903 MIN 4.0 CFSM 14.0 IN 189.05 AC-FT 80150
WTR YR 1975 TOTAL 53030.0 MEAN 145 MAX 1000 MIN 7.0 CFSM 18.2 IN 248.11 AC-FT 105200

NOTE.--No gage-height record Nov. 17 to May 20.

15200280 Gulkana River at Sourdough

LOCATION.--Lat 62°31'15", long 145°31'51", in NE¼ sec.35, T.19 N., R.2 W.,on left bank 0.3 mi (0.5 km) downstream from Sourdough Creek, and 0.8 mi (1.3 km) southwest of Sourdough.

DRAINAGE AREA.--1,770 mi² (4,580 km²), revised.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,850 ft (564 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 8,110 ft³/s (230 m³/s) June 4, gage height, 9.66 ft (2.944 m); minimum daily, 240 ft³/s (6.80 m³/s) Feb. 1 to Apr. 25.
Period of record: Maximum discharge, 8,840 ft³/s (250 m³/s) May 16, 1973, gage height, 9.92 ft (3.024 m); maximum gage height, 12.98 ft (3.956 m) May 13, 1973, backwater from ice; minimum daily discharge, about 200 ft³/s (5.66 m³/s) Dec. 6, 1973 to Apr. 12, 1974.

REMARKS.--Records fair except those for Oct. 9 to May 13, which are poor. Records of chemical analyses, water temperatures and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	504	320	280	260	240	240	240	350	5080	2000	3080	1400
2	324	320	280	260	240	240	240	400	5300	2010	3220	1400
3	400	320	280	260	240	240	240	450	6840	2010	3120	1380
4	420	320	280	260	240	240	240	500	8040	1880	2810	1360
5	460	320	280	260	240	240	240	600	7750	1800	2540	1340
6	532	320	280	260	240	240	240	800	6580	1700	2340	1320
7	581	320	280	260	240	240	240	1000	5890	1600	2260	1300
8	602	320	280	260	240	240	240	1200	5590	1520	2260	1330
9	580	300	280	260	240	240	240	1500	5610	1440	2550	1380
10	540	300	280	260	240	240	240	2000	5130	1370	2560	1370
11	520	300	280	260	240	240	240	2500	4410	1290	2410	1370
12	520	300	280	260	240	240	240	3000	3950	1240	2330	1520
13	500	300	280	260	240	240	240	3500	3530	1230	2200	1730
14	500	300	280	260	240	240	240	3760	3260	1240	2040	1700
15	480	300	280	260	240	240	240	4000	3130	1290	1930	1590
16	480	300	280	260	240	240	240	4470	3090	1360	1960	1540
17	460	300	280	260	240	240	240	5190	2990	1420	2060	1520
18	440	300	280	260	240	240	240	5190	2870	1450	2000	1480
19	420	300	280	260	240	240	240	4950	2710	1650	1920	1480
20	400	300	280	260	240	240	240	4810	2570	2120	1820	1470
21	400	300	280	260	240	240	240	4540	2600	2990	1730	1450
22	380	300	280	260	240	240	240	4700	2590	3320	1670	1570
23	380	300	280	260	240	240	240	4990	2450	2970	1620	1700
24	360	280	280	260	240	240	240	5330	2370	2660	1600	1740
25	360	280	280	260	240	240	240	5710	2280	2550	1570	1680
26	340	280	260	260	240	240	260	5810	2230	3160	1560	1650
27	340	280	260	260	240	240	260	5850	2260	3710	1600	1670
28	340	280	260	260	240	240	260	5950	2250	3530	1610	1660
29	340	280	260	260	---	240	280	5850	2120	3690	1530	1620
30	320	280	260	260	---	240	300	5710	2030	3370	1440	1660
31	320	---	260	260	---	240	---	5350	---	3090	1400	---
TOTAL	13543	9020	8560	8060	6720	7440	7360	109960	117500	66660	64740	45380
MEAN	437	301	276	260	240	240	245	3547	3917	2150	2088	1513
MAX	602	320	280	260	240	240	300	5950	8040	3710	3220	1740
MIN	320	280	260	260	240	240	240	350	2030	1230	1400	1300
CFSM	.25	.17	.16	.15	.14	.14	.14	2.00	2.21	1.21	1.18	.85
IN.	.28	.19	.18	.17	.14	.16	.15	2.31	2.47	1.40	1.36	.95
AC-FT	26860	17890	16980	15990	13330	14760	14600	218100	233100	132200	128400	90010

CAL YR 1974 TOTAL 326355 MEAN 894 MAX 6650 MIN 200 CFSM .51 IN 6.86 AC-FT 647300
WTR YR 1975 TOTAL 464943 MEAN 1274 MAX 8040 MIN 240 CFSM .72 IN 9.77 AC-FT 922200

NOTE.--No gage-height record Dec. 24 to May 1.

15207800 Little Tonsina River near Tonsina

LOCATION.--Lat 61°28'49", long 145°09'05", in NW¼ sec.36, T.4 S., R.1 E., on right bank 50 ft (15 m) downstream from Richardson Highway crossing, and 15.4 mi (24.8 km) south of Tonsina.

DRAINAGE AREA.--22.7 mi^2 (58.8 km^2).

PERIOD OF RECORD.--September 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,850 ft (564 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 127 ft^3/s (3.60 m^3/s) July 1, gage height, 7.33 ft (2.234 m); minimum daily, about 3 ft^3/s (0.085 m^3/s) Jan. 6-10.

Period of record: Maximum discharge, 127 ft^3/s (3.60 m^3/s) July 1, 1975, gage height, 7.33 ft (2.234 m); minimum daily, about 3 ft^3/s (0.085 m^3/s) Mar. 6 to Apr. 26, 1974 and Jan. 6-10, 1975.

REVISIONS.--Figures of maximum discharge for the water years 1973 and 1974 have been revised to 110 ft^3/s (3.12 m^3/s) June 19, 1973, gage height, 6.64 ft (2.024 m) and 90 ft^3/s (2.55 m^3/s) July 1, 1974, gage height, 5.89 ft (1.795 m), superseding figures published in WRD Alaska, 1973 and 1974.

REMARKS.--Records good except those for Nov. 7 to Apr. 28, which are poor. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current year are published in Section 2 of this report.

REVISIONS.--Revised figures of discharge, in cubic feet per second, for highwater periods in water years 1973 and 1974, superseding figures published in WRD Alaska, 1973 and 1974, are given below:

1973		1973-Con.		1974	
June 18	80	July 6	96	July 1	83
19	104	7	90		
20	97	8	84		
21	75	9	77		
22	84				

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches	Acre-feet
June 1973	1,517.5	104	8.0	50.6	2.23	2.49	3,010
July 1973	1,822	96	37	58.8	2.59	2.98	3,610
WTR YR 1973	7,971.5	104	4.0	21.8	0.96	13.06	15,810
CAL YR 1973	7,436.5	104	4.0	20.4	.90	12.18	14,750
July 1974	1,382	83	34	44.6	1.96	2.26	2,740
WTR YR 1974	6,585.0	83	3.0	18.0	.79	10.79	13,060

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15207800 Little Tonsina River near Tonsina--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	17	8.0	4.0	4.0	4.0	4.0	10	78	127	70	32
2	19	18	8.0	4.0	4.0	4.0	4.0	13	98	122	71	30
3	14	26	8.0	4.0	4.0	4.0	4.0	20	96	115	73	30
4	14	28	8.0	4.0	4.0	4.0	4.0	22	89	115	72	29
5	16	24	8.0	4.0	4.0	4.0	4.0	20	79	112	70	28
6	17	20	7.0	3.0	4.0	4.0	4.0	18	74	110	66	27
7	18	18	7.0	3.0	4.0	4.0	4.0	20	73	114	61	26
8	18	18	7.0	3.0	4.0	4.0	4.0	22	63	116	58	26
9	18	16	7.0	3.0	4.0	4.0	4.0	26	60	117	57	28
10	19	16	7.0	3.0	4.0	4.0	4.0	52	57	118	54	26
11	17	16	7.0	4.0	4.0	4.0	4.0	73	54	118	51	44
12	16	16	7.0	4.0	4.0	4.0	4.0	96	52	115	52	100
13	16	16	7.0	4.0	4.0	4.0	4.0	83	52	117	57	72
14	19	18	7.0	4.0	4.0	4.0	4.0	71	54	121	58	48
15	21	18	7.0	4.0	4.0	4.0	4.0	67	55	111	55	40
16	19	16	6.0	4.0	4.0	4.0	4.0	71	59	109	52	36
17	21	16	6.0	4.0	4.0	4.0	4.0	66	72	101	47	33
18	21	14	6.0	4.0	4.0	4.0	4.0	59	79	98	56	60
19	19	14	6.0	4.0	4.0	4.0	4.0	62	86	103	50	65
20	21	12	6.0	4.0	4.0	4.0	4.0	60	89	120	44	45
21	18	12	6.0	4.0	4.0	4.0	4.0	60	77	114	42	45
22	16	10	6.0	4.0	4.0	4.0	4.0	60	78	104	40	49
23	18	10	6.0	4.0	4.0	4.0	4.0	60	90	92	39	48
24	26	10	6.0	4.0	4.0	4.0	4.0	65	88	88	38	41
25	26	10	6.0	4.0	4.0	4.0	4.0	69	86	91	37	38
26	22	10	5.0	4.0	4.0	4.0	5.0	69	88	88	36	37
27	21	10	5.0	4.0	4.0	4.0	5.0	74	94	82	48	35
28	29	9.0	5.0	4.0	4.0	4.0	5.0	75	103	89	44	32
29	20	9.0	5.0	4.0	---	4.0	5.0	79	114	85	36	32
30	17	9.0	5.0	4.0	---	4.0	7.0	78	124	78	34	32
31	16	---	5.0	4.0	---	4.0	---	76	---	78	32	---
TOTAL	605	456.0	200.0	119.0	112.0	124.0	127.0	1696	2361	3268	1600	1214
MEAN	19.5	15.2	6.45	3.84	4.00	4.00	4.23	54.7	78.7	105	51.6	40.5
MAX	33	28	8.0	4.0	4.0	4.0	7.0	96	124	127	73	100
MIN	14	9.0	5.0	3.0	4.0	4.0	4.0	10	52	78	32	26
CFSM	.86	.67	.28	.17	.18	.18	.19	2.41	3.47	4.63	2.27	1.78
IN.	.99	.75	.33	.20	.18	.20	.21	2.78	3.87	5.36	2.62	1.99
AC-FT	1200	904	397	236	222	246	252	3360	4680	6480	3170	2410

CAL YR 1974 TOTAL 7024.0 MEAN 19.2 MAX 83 MIN 3.0 CFSM .85 IN 11.51 AC-FT 13930
WTR YR 1975 TOTAL 11882.0 MEAN 32.6 MAX 127 MIN 3.0 CFSM 1.44 IN 19.47 AC-FT 23570

NOTE.--No gage-height record Dec. 1 to Apr. 28.

15208000 Tonsina River at Tonsina

LOCATION.--Lat 61°39'41", long 145°11'02", in SW¼SW¼ sec.26, T.2 S., R.1 E., on right bank 0.2 mi (0.3 km) upstream from Richardson Highway crossing at Tonsina, 0.6 mi (1.0 km) upstream from Bernard Creek, and 0.8 mi (1.3 km) upstream from Squirrel Creek.

DRAINAGE AREA.--420 mi² (1,090 km²), approximately.

PERIOD OF RECORD.--May 1950 to December 1954, January to September 1955 (fragmentary), October 1955 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,500 ft (460 m) from topographic map. Prior to Oct. 16, 1957, at site 800 ft (240 m) downstream at different datum. Oct. 17, 1957 to Apr. 18, 1967, June 9, 1973 to Apr. 17, 1974, nonrecording gage and Apr. 19, 1967 to June 8, 1973, water-stage recorder at site 0.2 mi (0.3 km) downstream at prior datum. Apr. 18, 1974 to May 30, 1975, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--24 years (1950-54, 1955-75), 832 ft³/s (23.56 m³/s), 26.90 in/yr (683 mm/yr), 602,800 acre-ft/yr (743 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,570 ft³/s (129 m³/s) July 14, gage height, 21.49 ft (6.550 m); minimum daily, about 70 ft³/s (1.98 m³/s) Mar. 21 to Apr. 20.

Period of record: Maximum discharge, 8,490 ft³/s (240 m³/s) June 17, 1962, gage height, 4.91 ft (1.497 m), from graph based on gage readings, site and datum then in use; maximum gage height, 7.00 ft (2.134 m) June 8, 1957, from graph based on gage readings, site and datum then in use; minimum daily discharge, about 35 ft³/s (0.99 m³/s) Mar. 11 to Apr. 20, 1974.

REVISIONS.--The maximum discharge for the water year 1974 has been revised to 2,780 ft³/s (78.7 m³/s) Aug. 31, 1974, gage height, 20.4 ft (6.22 m), from graph based on gage readings, superseding figure published in WRD Alaska 1974.

REMARKS.--Records good except those from Oct. 30 to May 30, which are poor.

REVISIONS.--Revised figures of discharge, in cubic feet per second, for the water year 1974, superseding the figures published in WRD Alaska 1974, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge
1974		1974-Con.		1974-Con.	
June 28	2,110	July 16	1,870	Aug. 3	2,150
29	2,240	17	1,940	4	2,220
30	2,320	18	2,070	5	2,150
July 1	2,360	19	2,170	6	2,120
2	2,300	20	2,350	7	2,110
3	2,340	21	2,260	8	2,070
4	2,270	22	2,160	9	2,080
5	2,230	23	1,940	10	2,090
6	2,230	24	1,980	11	2,070
7	2,110	25	1,890	29	2,030
8	2,040	26	1,840	30	2,510
9	1,990	27	1,890	31	2,730
10	1,970	28	1,970	Sept. 1	2,620
11	2,000	29	2,030	2	2,350
12	1,890	30	2,070	3	2,130
13	1,800	31	2,160	4	1,990
14	1,750	Aug. 1	2,300	5	1,880
15	1,810	2	2,200	6	1,780

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches	Acre-feet
June	43,670	2,320	1,000	1,456	3.47	3.87	86,620
July	63,680	2,360	1,750	2,054	4.89	5.64	126,300
Aug.	59,211	2,730	931	1,910	4.55	5.24	117,400
Sept.	42,781	2,620	967	1,426	3.40	3.79	84,860
WTR YR 1974	245,227	2,730	35	672	1.60	21.71	486,400

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15208000 Tonsina River at Tonsina--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	860	220	100	80	75	75	70	140	980	4140	2130	1140
2	758	220	100	80	75	75	70	140	1230	4190	2080	1080
3	632	220	100	80	75	75	70	140	1390	4000	2060	1020
4	565	220	100	80	75	75	70	160	1420	4070	2040	952
5	572	220	100	80	75	75	70	160	1390	4020	2070	904
6	572	200	90	75	75	75	70	160	1370	3800	2070	876
7	565	200	90	75	75	75	70	180	1360	3780	2040	842
8	550	180	90	75	75	75	70	180	1330	3860	1980	800
9	542	180	90	75	75	75	70	200	1330	4020	1940	783
10	505	160	90	75	75	75	70	200	1310	4200	1880	740
11	470	160	90	75	75	75	70	220	1280	4350	1820	932
12	458	160	90	75	75	75	70	240	1250	4390	1800	2020
13	451	160	80	75	75	75	70	260	1260	4400	1800	2460
14	438	160	80	75	75	75	70	260	1310	4520	1870	2350
15	418	160	80	75	75	75	70	280	1400	4260	1900	2090
16	412	140	80	75	75	75	70	300	1600	3850	1900	1870
17	399	140	80	75	75	75	70	320	1870	3400	1870	1670
18	386	140	80	75	75	75	70	340	2130	3180	1930	1720
19	366	140	80	75	75	75	70	360	2430	3140	1970	2020
20	360	140	80	75	75	75	70	380	2620	3280	1880	2070
21	349	120	80	75	75	70	75	400	2590	3350	1760	2030
22	344	120	80	75	75	70	75	420	2590	3280	1660	1990
23	338	120	80	75	75	70	80	440	2690	3080	1580	1900
24	344	120	80	75	75	70	80	500	2690	2860	1530	1770
25	332	120	80	75	75	70	85	550	2630	2690	1480	1630
26	318	120	80	75	75	70	90	600	2640	2540	1440	1540
27	288	100	80	75	75	70	100	650	2720	2400	1440	1460
28	261	100	80	75	75	70	120	700	2830	2320	1440	1380
29	246	100	80	75	---	70	130	750	3140	2320	1370	1290
30	240	100	80	75	---	70	130	800	3640	2310	1290	1220
31	220	---	80	75	---	70	---	885	---	2260	1210	---
TOTAL	13551	4640	2650	2350	2100	2270	2365	11315	58420	108260	55230	44549
MEAN	437	155	85.5	75.8	75.0	73.2	78.8	365	1947	3492	1782	1485
MAX	860	220	100	80	75	75	130	885	3640	4520	2130	2460
MIN	220	100	80	75	75	70	70	140	980	2260	1210	740
CFSM	1.04	.37	.20	.18	.18	.17	.19	.87	4.64	8.31	4.24	3.54
IN.	1.20	.41	.23	.21	.19	.20	.21	1.00	5.17	9.59	4.89	3.95
AC-FT	26880	9200	5260	4660	4170	4500	4690	22440	115900	214700	109500	88360

CAL YR 1974 TOTAL 251723 MEAN 690 MAX 2730 MIN 35 CFSM 1.64 IN 22.30 AC-FT 499300
WTR YR 1975 TOTAL 307700 MEAN 843 MAX 4520 MIN 70 CFSM 2.01 IN 27.25 AC-FT 610300

NOTE.--No gage-height record Dec. 1 to May 30.

15208100 Squirrel Creek at Tonsina

LOCATION.--Lat 61°40'05", long 145°10'26", in NW¼ sec.26, T.2 S., R.1 E., on right bank 150 ft (46 m) upstream from highway bridge at mile 79.5 (127.9 km) on Richardson Highway, 0.3 mi (0.5 km) northeast of Tonsina River bridge, 0.3 (0.5 km) upstream from mouth, and 0.4 mi (0.6 km) north of Tonsina.

DRAINAGE AREA.--70.5 mi² (182.6 km²).

PERIOD OF RECORD.--Annual maximums, water years 1964 and 1965. July 1965 to September 1975 (discontinued as a continuous-record station, converted to a crest-stage partial-record station).

GAGE.--Nonrecording gage and crest-stage gage. Altitude of gage is 1,520 ft (460 m) from topographic map. Aug. 9, 1963 to June 29, 1965, crest-stage gage at site 90 ft (27 m) downstream at datum 12.18 ft (3.712 m) lower. June 30, 1965 to Oct. 11, 1973, water-stage recorder at site 150 ft (46 m) downstream at datum 5.18 ft (1.579 m) lower.

AVERAGE DISCHARGE.--10 years, 30.9 ft³/s (0.875 m³/s), 5.95 in/yr (151 mm/yr), 22,390 acre-ft/yr (27.6 hm³/yr).

EXTREMES.--Water year 1975: Maximum discharge, 206 ft³/s (5.83 m³/s) June 2, gage height, 1.46 (0.445 m); maximum gage height, 1.66 ft (0.506 m) in May, backwater from ice; minimum daily discharge, about 10 ft³/s (0.28 m³/s) Jan. 7-15 and Apr. 3, 4.

Period of record: Maximum discharge. 1,200 ft³/s (34.0 m³/s) June 1964, gage height, 12.64 ft (3.853 m), from floodmarks, site and datum then in use, from rating curve extended above 230 ft³/s (6.5 m³/s); minimum daily, about 9.0 ft³/s (0.25 m³/s) Apr. 1-10, 1967.

REMARKS.--Records fair except for the period Oct. 20 to May 13, which are poor. Records of chemical analyses for water year 1975 are published in Section 2 of this report.

REVISIONS.--WRD Alaska 1970: 1968 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	17	12	12	11	11	11	20	114	104	65	30
2	24	18	12	11	11	11	11	24	198	92	63	30
3	22	18	12	11	11	11	10	20	175	77	55	30
4	20	18	12	11	11	11	10	20	135	81	53	28
5	20	17	12	11	11	11	11	26	101	70	50	28
6	20	17	12	11	11	11	12	30	88	63	47	28
7	22	15	12	10	11	11	13	40	81	56	50	28
8	22	15	12	10	11	11	14	50	72	53	51	26
9	22	13	12	10	11	11	15	60	66	48	53	28
10	22	13	12	10	11	11	17	80	59	45	48	28
11	20	15	12	10	11	11	18	100	55	41	44	33
12	20	15	12	10	11	11	19	120	50	40	41	37
13	19	15	12	10	11	11	19	140	50	42	37	35
14	20	15	12	10	11	11	19	148	58	40	37	31
15	20	15	12	10	11	11	19	156	66	55	37	30
16	18	14	12	11	11	11	19	162	86	56	37	28
17	18	13	12	11	11	11	19	135	106	50	36	26
18	17	12	12	11	11	11	18	132	86	45	40	32
19	17	12	12	11	11	11	17	137	86	92	37	30
20	16	12	12	11	11	11	15	119	70	106	35	31
21	16	12	12	11	11	11	14	101	74	90	35	32
22	15	12	12	11	11	11	14	92	74	68	31	33
23	16	12	12	11	11	12	14	90	68	68	31	32
24	17	12	12	11	11	12	14	117	58	63	31	30
25	18	12	12	11	11	13	14	119	79	58	31	30
26	17	12	12	11	11	13	15	101	132	56	31	30
27	16	12	12	11	11	13	15	117	106	55	30	30
28	15	12	12	11	11	13	15	104	83	58	35	28
29	15	12	12	11	---	12	15	119	74	55	33	28
30	15	12	12	11	---	12	17	106	77	66	30	28
31	16	---	12	11	---	11	---	94	---	65	30	---
TOTAL	581	419	372	333	308	353	453	2895	2627	1958	1272	898
MEAN	18.7	14.0	12.0	10.7	11.0	11.4	15.1	93.4	87.6	63.2	41.0	29.9
MAX	26	18	12	12	11	13	19	162	198	106	65	37
MIN	15	12	12	10	11	11	10	20	50	40	30	26
CFSM	.27	.20	.17	.15	.16	.16	.21	1.32	1.24	.90	.58	.42
IN.	.31	.22	.20	.18	.16	.19	.24	1.53	1.39	1.03	.67	.47
AC-FT	1150	831	738	661	611	700	899	5740	5210	3880	2520	1780

CAL YR 1974 TOTAL 8783 MEAN 24.1 MAX 150 MIN 10 CFSM .34 IN 4.63 AC-FT 17420
WTR YR 1975 TOTAL 12469 MEAN 34.2 MAX 198 MIN 10 CFSM .49 IN 6.58 AC-FT 24730

PEAK DISCHARGE (BASE, 100 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
05-16	--	--	about 175	06-26	--	--	about 150
06-02	--	1.46	206	07-01	--	--	about 130
06-17	--	--	about 120	07-20	--	1.23	135

NOTE.--No gage-height record Nov. 21 to May 13

15212000 Copper River near Chitina

LOCATION.--Lat 61°27'56", long 144°27'21", in SW¼NW¼ sec. 2, T.5 S., R.5 E., on right bank at head of Woods Canyon, 0.5 mi (0.8 km) downstream from Taral Creek and abandoned Indian Village of Taral, 2.2 mi (3.5 km) upstream from Tenas Creek, and 3.5 mi (5.6 km) south of Chitina.

DRAINAGE AREA.--20,600 mi² (53,400 km²), approximately.

PERIOD OF RECORD.--July to September 1950, May to November 1952, October 1955 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 400 ft (122 m) from topographic map. Prior to June 2, 1952, nonrecording gage at site 0.2 mi (0.3 km) upstream at datum 1.4 ft (0.43 m) higher.

AVERAGE DISCHARGE.--20 years, 36,820 ft³/s (1,043 m³/s), 24.27 in/yr (616 mm/yr), 26,680,000 acre-ft/yr (32.9 km³/yr).

EXTREMES.--Current year: Maximum discharge, 195,000 ft³/s (5,520 m³/s) July 14, gage height, 24.6 ft (7.50 m); minimum daily, about 6,000 ft³/s (170 m³/s) Feb. 1 to Apr. 20.

Period of record: Maximum discharge, 265,000 ft³/s (7,500 m³/s) July 15, 1971, gage height, 29.94 ft (9.126 m), from rating curve extended above 170,000 ft³/s (4,800 m³/s); minimum daily, about 2,000 ft³/s (57 m³/s) Mar. 1-31, 1956.

Maximum flood since 1950, that of July 15, 1971.

REMARKS.--Record good except those for Oct. 11 to May 13, which are poor. Streamflow augmented by glaciers, which cover 17 percent of the basin. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30000	11000	8000	7000	6000	6000	6000	12000	40600	155000	103000	65000
2	27500	10000	8000	7000	6000	6000	6000	13000	45800	172000	105000	60000
3	25000	10000	8000	7000	6000	6000	6000	15000	50000	164000	104000	55000
4	24000	10000	8000	7000	6000	6000	6000	17000	52800	160000	105000	51000
5	24000	10000	8000	7000	6000	6000	6000	19000	54200	148000	106000	47900
6	24000	10000	8000	7000	6000	6000	6000	22000	54200	135000	103000	45800
7	24000	10000	8000	7000	6000	6000	6000	24000	50000	136000	108000	43700
8	24000	9500	8000	7000	6000	6000	6000	26000	48600	146000	109000	41800
9	23000	9500	8000	7000	6000	6000	6000	28000	48600	157000	101000	40000
10	23000	9500	8000	7000	6000	6000	6000	32000	47200	173000	100000	40000
11	22000	9500	7500	6500	6000	6000	6000	34000	43700	183000	95000	50000
12	20000	9500	7500	6500	6000	6000	6000	35000	41800	184000	95000	69600
13	20000	9500	7500	6500	6000	6000	6000	34000	40000	186000	100000	99000
14	19000	9000	7500	6500	6000	6000	6000	32800	41200	190000	100000	86300
15	19000	9000	7500	6500	6000	6000	6000	31000	43700	175000	105000	74400
16	18000	9000	7500	6500	6000	6000	6000	31600	50000	167000	105000	68000
17	17000	9000	7500	6500	6000	6000	6000	32200	58400	147000	100000	61900
18	17000	9000	7500	6500	6000	6000	6000	31600	67200	144000	100000	66400
19	16000	8500	7500	6500	6000	6000	6000	33400	76000	151000	105000	94400
20	16000	8500	7500	6500	6000	6000	6000	33400	80000	161000	100000	89000
21	15000	8500	7500	6500	6000	6000	6500	33400	75200	154000	95000	87200
22	15000	8500	7500	6500	6000	6000	6500	34000	71200	139000	90000	92600
23	15000	8500	7500	6500	6000	6000	7000	34000	72800	132000	85000	85400
24	15000	8500	7500	6500	6000	6000	7500	33000	76800	128000	80000	76800
25	14000	8500	7500	6500	6000	6000	8000	32200	76000	126000	80000	68800
26	14000	8000	7000	6500	6000	6000	8500	31000	76800	123000	75000	64000
27	13000	8000	7000	6500	6000	6000	9000	32800	81800	118000	75000	59800
28	12000	8000	7000	6500	6000	6000	9500	34600	88100	117000	75000	54900
29	12000	8000	7000	6500	---	6000	10000	37000	100000	120000	70000	50000
30	11000	8000	7000	6500	---	6000	11000	37600	110000	119000	70000	47200
31	11000	---	7000	6500	---	6000	---	38200	---	113000	65000	---
TOTAL	579500	272500	234500	206500	168000	186000	203500	914800	1870700	4623000	2909000	1935900
MEAN	18690	9083	7565	6661	6000	6000	6783	29510	62360	149100	93840	64530
MAX	30000	11000	8000	7000	6000	6000	11000	38200	110000	190000	109000	99000
MIN	11000	8000	7000	6500	6000	6000	6000	12000	40000	113000	65000	40000
CFSM	.91	.44	.37	.32	.29	.29	.33	1.43	3.03	7.24	4.56	3.13
IN.	1.05	.49	.42	.37	.30	.34	.37	1.65	3.38	8.35	5.25	3.50
AC-FT	1149000	540500	465100	409600	333200	368900	403600	1815000	3711000	9170000	5770000	3840000

CAL YR 1974 TOTAL 13840600 MEAN 37920 MAX 186000 MIN 7000 CFSM 1.84 IN 24.99 AC-FT 27450000
WTR YR 1975 TOTAL 14103900 MEAN 38640 MAX 190000 MIN 6000 CFSM 1.88 IN 25.47 AC-FT 27980000

NOTE.--No gage-height record Oct. 5 to May 13.

15216000 Power Creek near Cordova

LOCATION.--Lat 60°35'14", long 145°37'05", on right bank at old bridge site, 1 mi (1.6 km) upstream from Eyak Lake, and 5.5 mi (8.8 km) northeast of Cordova.

DRAINAGE AREA.--20.5 mi² (53.1 km²).

PERIOD OF RECORD.--July to November 1913 (fragmentary), August 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 33.5 ft (10.21 m) above mean sea level (river profile survey). July to November 1913, nonrecording gage 0.5 mi (0.8 km) upstream at different datum. August 1947 to March 1960, water-stage recorder on left bank at same datum.

AVERAGE DISCHARGE.--28 years, 242 ft³/s (6.853 m³/s), 160.31 in/yr (4,072 mm/yr), 175,300 acre-ft/yr (216 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,730 ft³/s (134 m³/s) Sept. 11, gage height, 5.84 ft (1.780 m); minimum daily, about 20 ft³/s (0.57 m³/s) Mar. 20-27.

Period of record: Maximum discharge recorded, 5,540 ft³/s (157 m³/s) Sept. 25, 1949, gage height, 7.65 ft (2.332 m), from rating curve extended above 1,450 ft³/s (41.1 m³/s); minimum recorded, 13 ft³/s (0.37 m³/s) Apr. 29, 1950, gage height, 1.50 ft (0.457 m), but may have been less during periods of no gage-height record.

REMARKS.--Records good except those for Dec. 26 to Apr. 5, which are poor. Streamflow augmented by glaciers, which cover 27 percent of the basin. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	470	117	56	45	45	30	63	336	834	413	184
2	167	552	110	54	45	40	28	62	364	685	393	185
3	152	1660	103	54	45	36	28	61	333	728	395	196
4	159	582	90	54	40	32	27	64	293	937	459	182
5	538	350	91	54	40	30	27	61	273	668	462	244
6	724	254	99	52	40	28	26	62	312	673	403	405
7	1490	215	102	52	40	28	24	59	310	750	373	602
8	438	191	149	52	40	26	25	57	276	987	374	429
9	309	177	133	52	35	26	34	73	306	920	345	289
10	248	155	109	52	35	26	41	93	398	896	320	703
11	213	139	107	50	35	24	46	149	327	834	308	2920
12	280	183	94	50	35	24	44	335	282	688	408	1230
13	257	177	85	50	35	24	39	361	284	938	827	610
14	1100	247	82	50	35	24	35	274	362	731	780	443
15	426	306	81	50	35	22	36	212	374	595	670	354
16	412	173	75	52	40	22	37	209	379	501	517	293
17	760	137	72	56	45	22	67	203	389	539	433	507
18	481	122	73	60	50	22	67	177	409	526	422	1450
19	326	111	75	65	45	22	55	174	474	632	354	763
20	237	105	68	70	40	20	49	214	427	565	371	1030
21	384	99	63	70	45	20	45	202	363	474	334	975
22	499	100	65	70	50	20	42	197	367	440	305	707
23	758	93	76	65	45	20	41	183	420	444	296	499
24	1130	88	71	65	40	20	40	189	415	512	285	394
25	606	85	67	60	50	20	43	186	399	461	278	398
26	380	83	62	60	60	20	42	214	383	424	283	388
27	302	101	60	55	55	20	39	258	402	420	299	294
28	238	294	58	55	50	25	36	278	402	413	284	251
29	229	235	58	50	---	30	41	287	547	383	236	698
30	306	145	56	50	---	35	57	294	822	496	213	506
31	510	---	56	50	---	32	---	288	---	486	194	---
TOTAL	14251	7629	2607	1735	1195	805	1191	5539	11460	19586	12034	18119
MEAN	460	254	84.1	56.0	42.7	26.0	39.7	179	382	632	388	604
MAX	1490	1660	149	70	60	45	67	361	822	938	827	2920
MIN	152	83	56	50	35	20	24	57	273	383	194	182
CFSM	22.4	12.4	4.10	2.73	2.08	1.27	1.94	8.73	18.6	30.8	18.9	29.5
IN.	25.86	13.84	4.73	3.15	2.17	1.46	2.16	10.05	20.81	35.54	21.84	32.88
AC-FT	28270	15130	5170	3440	2370	1600	2360	10990	22730	38850	23870	35940

CAL YR 1974 TOTAL 82163 MEAN 225 MAX 1660 MIN 18 CFSM 11.0 IN 149.09 AC-FT 163000
WTR YR 1975 TOTAL 96159 MEAN 263 MAX 2920 MIN 20 CFSM 12.8 IN 174.48 AC-FT 190700

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-07	0230	4.97	2,320	09-11	1100	5.84	4,730
10-14	0700	4.84	2,070	09-18	0300	4.94	2,320
10-24	1630	4.55	1,580	09-20	1630	4.58	1,680
11-03	1230	4.92	2,220				

NOTE.--No gage-height record Dec. 26 to Apr. 5.

15216100 Humpback Creek near Cordova

LOCATION.--Lat 60°36'41", long 145°40'36", in NE¼SW¼ sec.36, T.14 S., R.3 W., Chugach National Forest, on right bank 800 ft (240 m) upstream from mouth at Orca Inlet, and 5.4 mi (8.7 km) northeast of Cordova.

DRAINAGE AREA.--4.37 mi^2 (11.32 km^2).

PERIOD OF RECORD.--May to November 1913 (fragmentary), October 1973 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 40 ft (12 m) from topographic map. May to November 1913, nonrecording gage at site 0.2 mi (0.3 km) upstream at different datum.

EXTREMES.--Water year 1975: Maximum discharge, 638 ft^3/s (18.1 m^3/s) Sept. 11, gage height, 2.53 ft (0.771 m), from rating curve extended above 110 ft^3/s (3.1 m^3/s); minimum daily, 2.0 ft^3/s (0.057 m^3/s) Mar. 22-26.
Period of record: Maximum discharge, 638 ft^3/s (18.1 m^3/s) Sept. 11, 1975, gage height, 2.53 ft (0.771 m), from rating curve extended above 110 ft^3/s (3.1 m^3/s); minimum daily, 2.0 ft^3/s (0.057 m^3/s) Mar. 19 to Apr. 6, 1974, and Mar. 22-26, 1975.

REMARKS.--Records good except those for Oct. 27 to Apr. 16, which are poor. Records of water temperatures and suspended-sediment loads for the water year 1975 are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	120	30	8.0	5.0	7.0	2.2	50	98	150	54	20
2	21	140	22	8.0	4.0	6.0	2.2	39	98	111	50	19
3	18	350	20	8.0	4.0	5.0	2.2	32	84	121	47	19
4	18	120	18	8.0	4.0	5.0	2.2	32	73	150	50	17
5	87	80	20	7.0	4.0	5.0	2.2	28	67	103	50	26
6	89	50	35	7.0	4.0	4.0	2.2	22	85	100	46	67
7	235	35	40	7.0	3.0	4.0	2.2	19	80	103	42	111
8	87	30	200	7.0	3.0	3.0	2.4	17	68	113	40	85
9	51	40	100	7.0	3.0	3.0	10	45	84	117	38	56
10	42	35	60	7.0	3.0	3.0	40	119	101	113	34	100
11	36	20	30	6.0	3.0	2.8	20	160	82	105	30	416
12	31	40	23	6.0	3.0	2.8	18	94	70	85	44	148
13	52	30	19	7.0	2.6	2.6	16	67	80	132	123	72
14	210	120	17	7.0	2.6	2.6	14	56	100	96	128	51
15	83	90	16	7.0	2.6	2.4	18	62	85	78	107	40
16	79	70	14	8.0	3.0	2.4	40	68	80	82	72	109
17	212	40	14	9.0	4.0	2.2	80	54	77	73	54	52
18	109	20	13	12	5.0	2.2	39	47	85	67	47	211
19	69	18	12	16	4.0	2.2	21	58	96	84	41	111
20	47	16	11	25	4.0	2.2	17	78	82	75	40	142
21	83	14	11	14	4.0	2.2	15	66	66	62	35	130
22	87	14	12	14	4.0	2.0	15	68	66	68	32	100
23	205	14	21	12	4.0	2.0	16	61	78	58	29	62
24	223	12	22	10	4.0	2.0	17	64	80	68	28	46
25	119	12	16	10	7.0	2.0	20	60	73	68	28	42
26	73	12	14	9.0	15	2.0	17	73	70	52	28	39
27	60	30	12	8.0	10	2.2	14	105	77	51	28	32
28	50	200	10	7.0	9.0	2.6	12	101	91	47	27	30
29	50	100	10	6.0	---	4.0	19	98	101	45	25	151
30	80	50	9.0	6.0	---	3.0	42	89	132	62	23	105
31	100	---	9.0	5.0	---	2.4	---	85	---	64	22	---
TOTAL	2731	1922	860.0	278.0	127.8	95.8	537.8	2017	2509	2703	1442	2609
MEAN	88.1	64.1	27.7	8.97	4.56	3.09	17.9	65.1	83.6	87.2	46.5	87.0
MAX	235	350	200	25	15	7.0	80	160	132	150	128	416
MIN	18	12	9.0	5.0	2.6	2.0	2.2	17	66	45	22	17
C/SM	20.2	14.7	6.34	2.05	1.04	.71	4.10	14.9	19.1	20.0	10.6	19.9
IN.	23.24	16.36	7.32	2.37	1.09	.82	4.58	17.17	21.35	23.00	12.27	22.20
AC-FT	5420	3810	1710	551	253	190	1070	4000	4980	5360	2860	5170

CAL YR 1974 TOTAL 14056.5 MEAN 38.5 MAX 350 MIN 2.0 CFSM 8.81 IN 119.63 AC-FT 27880
WTR YR 1975 TOTAL 17832.4 MEAN 48.9 MAX 416 MIN 2.0 CFSM 11.2 IN 151.77 AC-FT 35370

NOTE.--No gage-height record Oct. 27 to Dec. 11 and Dec. 26 to Apr. 16.

15219000 West Fork Olsen Bay Creek near Cordova

LOCATION.--Lat 60°45'41", long 146°10'20", in Chugach National Forest, on left bank 600 ft (200 m) upstream from confluence with East Fork, and 21 mi (34 km) northwest of Cordova.

DRAINAGE AREA.--4.78 mi² (12.38 km²).

PERIOD OF RECORD.--September 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 40 ft (12 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 30.8 ft³/s (0.872 m³/s), 87.50 in/yr (2,222 mm/yr), 22,310 acre-ft/yr (27.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 774 ft³/s (21.9 m³/s) Sept. 11, gage height, 4.66 ft (1.420 m), from rating curve extended above 150 ft³/s (4.2 m³/s) on basis of slope-measurement of peak flow; minimum, 1.5 ft³/s (0.042 m³/s) Mar. 25-27.

Period of record: Maximum discharge, 1,030 ft³/s (29.2 m³/s) Sept. 12, 1972, gage height, 5.30 ft (1.615 m) from rating curve extended above 150 ft³/s (4.2 m³/s) on basis of sope-area measurement of peak flow; maximum gage height, 5.64 ft (1.719 m) May 4, 1972, backwater ice; minimum daily discharge, 0.5 ft³/s (0.014 m³/s) Mar. 5-21, 1966.

REMARKS.--Records fair. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current year are published in Section 2 of this report.

REVISIONS(WATER YEARS).--WRD Alaska 1972: 1965-67 (P), 1968-70 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	99	16	8.0	4.2	5.0	2.0	48	75	114	32	5.6
2	10	118	13	7.0	4.0	4.6	2.0	53	82	82	28	5.3
3	8.0	300	12	7.0	3.5	4.0	1.8	49	69	78	23	5.3
4	8.4	99	10	7.0	3.5	3.4	1.8	95	63	82	23	5.3
5	69	59	12	7.0	3.5	2.9	1.8	48	61	67	23	11
6	116	42	21	6.0	3.5	2.7	1.8	33	69	72	20	60
7	100	30	24	6.0	3.5	2.6	1.8	26	70	79	16	50
8	70	24	104	6.0	3.0	2.4	1.8	24	64	86	14	37
9	53	33	27	6.0	3.0	2.4	10	37	60	85	13	26
10	50	27	17	6.0	3.0	2.3	40	100	70	79	11	83
11	43	18	17	5.0	3.0	2.2	20	148	62	69	10	416
12	38	33	14	5.0	3.0	2.1	15	99	59	58	11	115
13	61	26	12	5.0	2.5	2.0	14	69	59	76	50	47
14	215	95	10	5.0	2.5	2.0	14	60	70	59	46	29
15	79	75	9.2	5.0	2.5	1.9	18	63	68	54	41	26
16	61	25	8.4	6.0	3.0	1.8	24	60	66	56	33	23
17	213	16	8.0	6.0	4.0	1.8	60	53	63	48	23	78
18	82	11	8.0	6.0	5.0	1.8	30	46	68	41	39	217
19	61	10	7.7	9.0	4.0	1.8	25	43	78	63	24	70
20	44	8.4	7.1	15	3.6	1.8	20	59	67	84	20	81
21	59	7.4	7.7	12	4.0	1.8	16	53	54	56	20	64
22	81	7.1	6.8	14	4.5	1.7	16	56	55	50	14	80
23	180	6.2	12	8.8	3.8	1.7	18	52	82	40	13	48
24	181	5.9	24	8.8	2.9	1.6	18	55	74	44	12	37
25	93	5.6	10	8.4	5.0	1.6	22	47	69	46	12	32
26	66	5.3	13	8.0	10	1.5	20	52	63	41	11	32
27	40	10	11	7.1	7.0	1.5	18	62	68	34	10	27
28	42	121	9.2	6.5	6.0	2.0	14	70	79	28	8.8	22
29	41	52	8.0	5.9	---	2.5	25	68	81	26	7.4	150
30	69	26	8.0	5.0	---	2.5	58	63	127	27	6.8	129
31	79	---	8.0	4.6	---	2.0	---	63	---	26	5.9	---
TOTAL	2430.4	1402.9	483.1	222.1	111.0	71.9	529.0	1822	2095	1850	620.9	2039.5
MEAN	78.4	46.8	15.6	7.16	3.96	2.32	17.7	58.8	69.8	59.7	20.0	68.0
MAX	215	300	104	15	10	5.0	60	148	127	114	50	416
MIN	8.0	5.3	6.8	4.6	2.5	1.5	1.8	24	54	26	5.9	5.3
CFSM	16.4	9.79	3.26	1.50	.83	.49	3.70	12.3	14.6	12.5	4.18	14.2
IN.	18.91	10.92	3.76	1.73	.86	.56	4.12	14.18	16.30	14.39	4.83	15.87
AC-FT	4820	2780	958	441	220	143	1050	3610	4160	3670	1230	4050

CAL YR 1974 TOTAL 10195.5 MEAN 27.9 MAX 300 MIN 1.8 CFSM 5.84 IN 79.33 AC-FT 20220
WTR YR 1975 TOTAL 13678.6 MEAN 37.5 MAX 416 MIN 1.5 CFSM 7.85 IN 106.43 AC-FT 27130

PEAK DISCHARGE (BASE, 480 CFS).--Sept. 11 (1100) 774 ft³/s (4.66 ft).

15226600 Lowe River in Keystone Canyon near Valdez

LOCATION.--Lat 61°05'24", long 145°33'15", in SE¼NW¼ sec.14, T.9 S., R.4 W., on left bank, 500 ft (150 m) south of south entrance to Richardson Highway tunnel, 1,000 ft (300 m) downstream from unnamed tributary, 1.8 mi (2.9 km) upstream from unnamed tributary, and 17.5 mi (28.2 km) east of Valdez.

DRAINAGE AREA.--222 mi² (575 km²).

PERIOD OF RECORD.--October 1974 to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 450 ft (137 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 12,600 ft³/s (357 m³/s) Sept. 11, gage height 9.2 ft (2.80 m) from floodmarks, from rating curve extended above 3,900 ft³/s (110 m³/s) on basis of velocity-area study; minimum daily, about 45 ft³/s (1.3 m³/s) Mar. 1 to Apr. 15.

REMARKS.--Records poor. Discharge for most of year estimated. Streamflow is augmented and large diurnal fluctuation is caused by meltage from glaciers that cover 42 percent of the basin. Records of water temperatures and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	700	350	140	80	50	45	45	70	1620	7000	3500	1500
2	500	350	140	80	50	45	45	80	1830	6000	3000	1500
3	400	350	140	80	50	45	45	90	1900	6000	3000	1500
4	400	300	120	80	50	45	45	100	1760	7000	3500	1500
5	450	300	120	80	50	45	45	150	1660	7000	3500	1500
6	450	300	120	70	50	45	45	150	1830	5000	3000	2000
7	450	300	120	70	50	45	45	200	1690	6000	3000	2000
8	450	300	120	70	50	45	45	250	1760	7000	3000	1500
9	450	250	120	70	50	45	45	300	1740	7000	2500	1000
10	450	250	120	70	50	45	45	400	1740	7000	2500	3000
11	450	250	100	70	50	45	45	600	1730	7000	2500	7600
12	450	250	100	70	50	45	45	800	1760	6000	3000	5600
13	450	250	100	70	50	45	45	1000	1730	7000	4000	2300
14	450	200	100	70	50	45	45	1000	1960	6000	5000	1600
15	450	200	100	70	50	45	45	1000	2180	5000	4000	1400
16	500	200	90	60	50	45	50	1000	2300	5000	3000	1300
17	500	200	90	60	50	45	50	900	2530	5000	3000	2100
18	500	200	90	60	50	45	50	900	2800	5000	2500	5600
19	500	180	90	60	50	45	50	900	3000	5500	2500	4000
20	500	180	90	60	50	45	50	800	3000	5500	2000	5000
21	500	180	90	60	50	45	50	800	2500	4700	2000	4000
22	500	180	90	60	50	45	50	800	2500	4000	2000	2900
23	500	160	90	60	50	45	50	900	3000	3300	1500	2100
24	500	160	90	60	50	45	50	900	3000	3400	1500	2000
25	500	160	90	60	50	45	50	1000	3000	3600	1500	2000
26	450	160	80	60	50	45	60	1000	3000	3200	1500	2000
27	450	140	80	60	50	45	60	1000	3500	3400	1500	1500
28	400	140	80	60	50	45	60	1000	4000	3600	1500	1500
29	400	140	80	60	---	45	60	1000	5000	3200	1500	3000
30	400	140	80	60	---	45	60	1200	6000	3100	1500	3000
31	400	---	80	60	---	45	---	1400	---	3500	1500	---
TOTAL	14450	6720	3140	2060	1400	1395	1475	21690	76020	161000	79500	77500
MEAN	466	224	101	66.5	50.0	45.0	49.2	700	2534	5194	2565	2583
MAX	700	350	140	80	50	45	60	1400	6000	7000	5000	7600
MIN	400	140	80	60	50	45	45	70	1620	3100	1500	1000
CFSM	2.10	1.01	.45	.30	.23	.20	.22	3.15	11.4	23.4	11.6	11.6
IN.	2.42	1.13	.53	.35	.23	.23	.25	3.63	12.74	26.98	13.32	12.99
AC-FT	28660	13330	6230	4090	2780	2770	2930	43020	150800	319300	157700	153700

WTR YR 1975 TOTAL 446350 MEAN 1223 MAX 7600 MIN 45 CFSM 5.51 IN 74.79 AC-FT 885300

NOTE.--No gage-height record Oct. 1 to May 30 and July 31 to Sept. 10.

15236900 Wolverine Creek near Lawing

LOCATION.--Lat 60°22'14", long 148°53'48", in NE¼ sec.10, T.3 N., R.3 E., Kenai Peninsula Borough, on left bank, 2.0 mi (3.2 km) upstream from mouth, and 16 mi (26 km) east of Lawing.

DRAINAGE AREA.--9.51 mi² (24.63 km²).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,200 ft (370 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 84.5 ft³/s (2.393 m³/s), 120.67 in/yr (3,065 mm/yr), 61,220 acre-ft/yr (75.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 649 ft³/s (18.4 m³/s) about Sept. 26, gage height, 4.95 ft (1.509 m); maximum gage height, 11.4 ft (3.47 m), from floodmarks, about May 10, flow over dense snow; minimum daily discharge, 1.5 ft³/s (0.042 m³/s) Mar. 1 to May 8.

Period of record: Maximum discharge, 1,260 ft³/s (35.7 m³/s) Sept. 7, 1973, gage height, 5.06 ft (1.542 m), from rating curve extended above 530 ft³/s (15 m³/s); maximum gage height, 14.7 ft (4.48 m), from floodmarks, about June 9, 1971, flow over dense snow; minimum daily discharge, 0.3 ft³/s (0.008 m³/s) Apr. 1 to May 3, 1972.

REMARKS.--Records poor. Recording air-temperature gage located at station. A recording precipitation gage and air-temperature gage located at 3,300 ft (1,010 m) altitude in basin. Streamflow augmented by meltage from Wolverine Glacier, which covers 6.8 mi² (17.6 km²) of the basin.

REVISIONS.--WRD Alaska 1970: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	4.0	3.0	2.0	2.0	1.5	1.5	1.5	82	212	262	106
2	39	4.0	3.0	2.0	2.0	1.5	1.5	1.5	91	222	282	109
3	32	4.0	3.0	2.0	2.0	1.5	1.5	1.5	84	260	338	118
4	26	4.0	3.0	2.0	2.0	1.5	1.5	1.5	77	244	306	115
5	23	4.0	3.0	2.0	2.0	1.5	1.5	1.5	76	248	410	156
6	26	4.0	3.0	2.0	2.0	1.5	1.5	1.5	74	278	374	106
7	35	4.0	3.0	2.0	2.0	1.5	1.5	1.5	65	290	360	83
8	22	3.5	3.0	2.0	2.0	1.5	1.5	1.5	74	376	321	67
9	16	3.5	3.0	2.0	2.0	1.5	1.5	10	91	376	321	57
10	14	3.5	3.0	2.0	2.0	1.5	1.5	200	83	343	292	102
11	10	3.5	2.5	2.0	2.0	1.5	1.5	20	76	362	284	256
12	8.7	3.5	2.5	2.0	2.0	1.5	1.5	15	65	316	381	150
13	8.0	3.5	2.5	2.0	2.0	1.5	1.5	10	65	331	519	142
14	7.0	3.5	2.5	2.0	2.0	1.5	1.5	8.0	75	295	579	117
15	6.5	3.5	2.5	2.0	2.0	1.5	1.5	6.0	100	246	588	100
16	6.5	3.5	2.5	2.0	2.0	1.5	1.5	5.0	120	258	519	91
17	6.0	3.5	2.5	2.0	2.0	1.5	1.5	4.0	125	254	466	250
18	6.0	3.5	2.5	2.0	2.0	1.5	1.5	5.0	113	256	430	244
19	6.0	3.5	2.5	2.0	2.0	1.5	1.5	4.0	131	222	388	150
20	5.5	3.0	2.5	2.0	2.0	1.5	1.5	3.0	127	214	362	256
21	5.5	3.0	2.5	2.0	2.0	1.5	1.5	3.0	124	194	264	150
22	5.5	3.0	2.5	2.0	2.0	1.5	1.5	3.0	120	192	252	161
23	5.0	3.0	2.5	2.0	2.0	1.5	1.5	4.0	113	226	218	155
24	5.0	3.0	2.5	2.0	2.0	1.5	1.5	4.0	114	319	187	164
25	5.0	3.0	2.5	2.0	2.0	1.5	1.5	3.0	111	278	224	188
26	4.5	3.0	2.5	2.0	2.0	1.5	1.5	4.0	139	286	256	539
27	4.5	3.0	2.5	2.0	2.0	1.5	1.5	6.0	181	288	264	295
28	4.5	3.0	2.5	2.0	2.0	1.5	1.5	10	210	244	210	284
29	4.5	3.0	2.5	2.0	---	1.5	1.5	20	192	214	155	264
30	4.5	3.0	2.5	2.0	---	1.5	1.5	30	214	282	122	125
31	4.0	---	2.5	2.0	---	1.5	---	43	---	314	109	---
TOTAL	404.7	103.0	82.5	62.0	56.0	46.5	45.0	432.0	3312	8440	10123	5100
MEAN	13.1	3.43	2.66	2.00	2.00	1.50	1.50	13.9	110	272	327	170
MAX	49	4.0	3.0	2.0	2.0	1.5	1.5	200	214	376	588	539
MIN	4.0	3.0	2.5	2.0	2.0	1.5	1.5	1.5	65	192	109	57
CFSM	1.38	.36	.28	.21	.21	.16	.16	1.46	11.6	28.6	34.4	17.9
IN.	1.58	.40	.32	.24	.22	.18	.18	1.69	12.95	33.01	39.59	19.95
AC-FT	803	204	164	123	111	92	89	857	6570	16740	20080	10120

CAL YR 1974 TOTAL 38919.2 MEAN 107 MAX 745 MIN 1.0 CFSM 11.3 IN 152.22 AC-FT 77200
WTR YR 1975 TOTAL 28206.7 MEAN 77.3 MAX 588 MIN 1.5 CFSM 8.13 IN 110.32 AC-FT 55950

PEAK DISCHARGE (BASE, 550 CFS)

DATE	TIME	G. H.	DISCHARGE
08-14	2030	4.94	646
about 09-26	--	4.95	649

NOTE.--No gage-height record Nov. 6 to May 30.

15238600 Spruce Creek near Seward

LOCATION.--Lat 60°04'10", long 149°27'08", Kenai Peninsula Borough, on left bank, 0.7 mi (1.1 km) upstream from Resurrection Bay, and 2.4 mi (3.9 km) south of Seward.

DRAINAGE AREA.--9.26 mi² (23.98 km²).

PERIOD OF RECORD.--September 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (23 m) from topographic map.

AVERAGE DISCHARGE.--8 years, 69.0 ft³/s (1.954 m³/s), 101.19 in/yr (2,570 mm/yr), 49,[illegible]0 acre-ft/yr (61.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,160 ft³/s (32.9 m³/s) Sept. 10, gage height, 7.13 ft (2.173 m); no flow Mar. 6 to Apr. 15.
Period of record: Maximum discharge, 2,720 ft³/s (77.0 m³/s) Oct. 11, 1969, gage height, 8.53 ft (2.600 m), from rating curve extended above 1,200 ft³/s (34 m³/s) on basis of slope-area measurement of peak flow; no flow several months of most winters.
Flood of Aug. 21, 1966 reached a stage of 10.1 ft (3.08 m), from floodmarks; discharge, 3,980 ft³/s (113 m³/s) by slope-area measurement.

REMARKS.--Records good except those for Dec. 16 to May 9, which are poor.

REVISIONS.--WRD Alaska, 1970: 1967, 1968 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	106	32	9.0	6.0	2.0	0	12	129	246	102	30
2	44	97	28	8.0	6.0	2.0	0	11	140	242	104	30
3	40	118	26	7.0	5.0	1.0	0	10	134	250	151	29
4	39	82	23	6.0	5.0	1.0	0	10	131	254	192	29
5	44	67	22	5.0	5.0	1.0	0	10	127	246	163	87
6	54	55	20	5.0	4.0	0	0	12	127	290	118	351
7	79	53	20	5.0	4.0	0	0	15	124	335	104	114
8	60	48	19	5.0	4.0	0	0	20	127	560	95	74
9	49	41	18	5.0	4.0	0	0	40	131	590	86	62
10	42	34	18	5.0	3.0	0	0	78	138	415	78	602
11	37	34	17	5.0	3.0	0	0	206	127	365	80	601
12	34	40	16	5.0	3.0	0	0	110	116	290	120	214
13	40	37	16	6.0	3.0	0	0	79	116	234	110	140
14	74	42	16	6.0	3.0	0	0	57	129	226	100	114
15	65	35	16	7.0	3.0	0	0	60	160	186	90	97
16	58	30	15	8.0	2.0	0	1.0	65	200	154	80	88
17	65	26	15	10	2.0	0	1.0	55	203	163	75	340
18	70	24	14	12	2.0	0	1.0	52	210	163	76	375
19	57	22	14	16	2.0	0	1.0	52	258	163	88	355
20	46	21	13	20	2.0	0	2.0	52	234	145	84	710
21	94	22	13	18	2.0	0	2.0	48	246	136	68	335
22	110	23	14	16	2.0	0	2.0	49	254	124	60	278
23	249	22	15	14	2.0	0	2.5	53	218	129	55	169
24	550	21	20	13	3.0	0	3.0	58	186	172	50	129
25	452	20	18	12	4.0	0	3.0	55	203	140	49	129
26	189	18	16	12	10	0	4.0	74	230	138	61	116
27	127	20	14	11	5.0	0	4.0	98	262	154	57	95
28	104	84	12	10	3.0	0	5.0	93	295	143	55	98
29	82	122	11	9.0	---	0	7.0	97	452	129	46	523
30	114	44	10	8.0	---	0	10	100	370	131	39	282
31	89	---	10	7.0	---	0	---	104	---	118	32	---
TOTAL	3210	1408	531	285.0	102.0	7.0	48.5	1835	5777	7031	2668	6596
MEAN	104	46.9	17.1	9.19	3.64	.23	1.62	59.2	193	227	86.1	220
MAX	550	122	32	20	10	2.0	10	206	452	590	192	710
MIN	34	18	10	5.0	2.0	0	0	10	116	118	32	29
CFSM	11.2	5.06	1.85	.99	.39	.02	.17	6.39	20.8	24.5	9.30	23.8
IN.	12.89	5.66	2.13	1.14	.41	.03	.19	7.37	23.21	28.24	10.72	26.50
AC-FT	6370	2790	1050	565	202	14	96	3640	11460	13950	5290	13080

CAL YR 1974 TOTAL 24579.00 MEAN 67.3 MAX 1060 MIN 0 CFSM 7.27 IN 98.73 AC-FT 48750
WTR YR 1975 TOTAL 29498.50 MEAN 80.8 MAX 710 MIN 0 CFSM 8.73 IN 118.49 AC-FT 58510

NOTE.--No gage-height record Dec. 16 to Feb. 24 and Feb. 28 to May 9.

15238820 Barbara Creek near Seldovia

LOCATION.--Lat 59°28'50", long 151°38'42", in SW¼ sec.15, T.8 S., R.14 W., Kenai Peninsula Borough, on left bank, 0.5 mi (0.8 km) above mouth, and 3.7 mi (6.0 km) northeast of Seldovia.

DRAINAGE AREA.--20.7 mi² (53.6 km²).

PERIOD OF RECORD.--June 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 40 ft (12 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 744 ft³/s (21.1 m³/s) June 29, gage height, 4.09 ft (1.247 m), from rating curve extended above 350 ft³/s (9.9 m³/s); minimum daily, about 16 ft³/s (0.45 m³/s) Mar. 18 to Apr. 15.
Period of record: Maximum discharge, 744 ft³/s (21.1 m³/s) June 29, 1975, gage height, 4.09 ft (1.247 m), from rating curve extended above 350 ft³/s (9.9 m³/s); minimum daily, about 16 ft³/s (0.45 m³/s) Feb. 27 to Apr. 3, 1973 and Mar. 18 to Apr. 15, 1975.

REMARKS.--Records fair except those for Dec. 15 to May 23, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	160	69	30	22	21	16	20	290	425	103	39
2	80	152	65	28	22	21	16	20	319	352	100	39
3	76	146	64	26	22	20	16	20	327	351	95	38
4	76	131	74	26	22	20	16	22	328	343	92	38
5	79	118	60	24	22	20	16	22	312	311	88	70
6	75	108	57	24	22	19	16	25	298	299	83	109
7	74	107	55	24	22	19	16	30	295	324	82	64
8	69	113	54	24	22	19	16	43	315	339	78	62
9	65	102	52	24	22	19	16	53	338	342	75	59
10	62	88	55	24	22	18	16	100	329	330	72	147
11	60	88	50	24	22	18	16	150	311	332	70	190
12	58	104	49	26	22	18	16	140	294	311	70	139
13	65	102	48	26	20	18	16	140	282	259	68	112
14	77	107	46	26	20	17	16	130	283	237	65	97
15	74	98	45	26	20	17	16	130	301	214	62	86
16	70	89	44	28	20	17	18	120	332	188	59	79
17	68	84	42	28	20	17	18	120	338	169	57	93
18	65	84	41	28	20	16	18	130	319	160	55	105
19	63	84	40	30	20	16	18	130	340	153	55	124
20	62	85	40	30	20	16	18	120	336	143	53	105
21	66	78	38	30	20	16	18	110	352	134	51	168
22	64	69	38	28	20	16	18	110	407	129	50	166
23	132	64	36	26	20	16	18	130	389	130	48	150
24	218	61	36	25	22	16	18	159	347	129	47	135
25	283	58	36	24	25	16	18	205	337	122	46	123
26	240	56	36	24	24	16	20	267	318	117	45	113
27	207	63	36	24	23	16	20	263	321	118	44	102
28	171	86	34	24	22	16	20	266	357	121	43	100
29	154	82	34	24	---	16	20	272	617	124	42	135
30	183	74	32	24	---	16	20	277	548	121	41	147
31	160	---	32	22	---	16	---	274	---	113	40	---
TOTAL	3288	2841	1438	801	600	542	520	3998	10280	6940	1979	3214
MEAN	106	94.7	46.4	25.8	21.4	17.5	17.3	129	343	224	63.8	107
MAX	283	160	74	30	25	21	20	277	617	425	103	190
MIN	58	56	32	22	20	16	16	20	282	113	40	38
CFSM	5.12	4.57	2.24	1.25	1.03	.85	.84	6.23	16.6	10.8	3.08	5.17
IN.	5.91	5.11	2.58	1.44	1.08	.97	.93	7.18	18.47	12.49	3.56	5.78
AC-FT	6520	5640	2850	1590	1190	1080	1030	7930	20390	13760	3930	6370

CAL YR 1974 TOTAL 28213 MEAN 77.3 MAX 292 MIN 18 CFSM 3.73 IN 50.70 AC-FT 55960
WTR YR 1975 TOTAL 36449 MEAN 99.9 MAX 617 MIN 16 CFSM 4.83 IN 65.50 AC-FT 72300

NOTE.--No gage-height record Feb. 26 to May 7.

15238860 Tutka Lagoon Creek near Homer

LOCATION.--Lat 59°25'59", long 151°24'36", on line between sec.36, T.8 S., R.13 W., and sec.2, T.9 S., R.13 W., Kenai Peninsula Borough, on left bank 700 ft (200 m) upstream from mean high water in Tutka Bay Lagoon, and 15 mi (24 km) south of Homer.

DRAINAGE AREA.--10.8 mi² (28.0 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 1,190 ft³/s (33.7 m³/s) Oct. 24, gage height, 6.38 ft (1.945 m); maximum gage height, 6.49 ft (1.978 m) May 10, backwater from ice; minimum daily discharge, 6.0 ft³/s (0.17 m³/s) Mar. 8 to Apr. 15.

Period of record: Maximum discharge, 1,540 ft³/s (43.6 m³/s) Sept. 12, 1974, gage height, 6.67 ft (2.033 m); minimum daily, 6.0 ft³/s (0.17 m³/s) Mar. 8 to Apr. 15, 1975.

REMARKS.--Records good except those above 500 ft³/s (14 m³/s) and for Dec. 15 to May 23, which are poor. Records of water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	101	64	13	15	8.0	6.0	7.0	193	243	95	35
2	40	96	53	12	15	8.0	6.0	7.0	237	205	96	34
3	37	78	48	12	14	7.0	6.0	7.0	205	276	98	33
4	36	63	61	11	14	7.0	6.0	7.0	185	252	113	32
5	39	54	60	11	13	7.0	6.0	7.0	173	198	98	242
6	42	49	38	10	13	7.0	6.0	7.0	171	212	89	352
7	48	54	32	10	13	7.0	6.0	8.0	167	280	82	100
8	43	70	29	10	12	6.0	6.0	10	210	350	78	75
9	38	62	27	10	12	6.0	6.0	20	294	358	71	68
10	36	52	26	10	12	6.0	6.0	50	231	314	69	526
11	32	47	26	11	11	6.0	6.0	100	192	302	73	400
12	31	76	25	11	11	6.0	6.0	80	165	266	125	155
13	50	82	24	11	11	6.0	6.0	60	157	178	119	98
14	101	86	22	11	10	6.0	6.0	50	185	173	95	75
15	89	64	21	12	10	6.0	6.0	50	218	155	83	62
16	71	53	20	12	10	6.0	7.0	50	249	135	74	55
17	62	48	19	15	10	6.0	7.0	45	240	119	63	119
18	56	44	18	20	9.0	6.0	7.0	45	205	127	60	178
19	49	40	18	25	9.0	6.0	7.0	40	262	127	86	311
20	44	38	17	30	9.0	6.0	7.0	40	234	119	73	538
21	74	36	17	26	9.0	6.0	7.0	40	280	108	59	250
22	100	36	17	24	8.0	6.0	7.0	50	400	112	52	180
23	334	34	16	22	8.0	6.0	7.0	60	314	129	49	137
24	670	32	16	20	8.0	6.0	7.0	79	220	135	45	96
25	580	32	16	20	10	6.0	7.0	124	205	110	43	83
26	208	30	16	18	9.0	6.0	7.0	185	178	110	50	84
27	143	40	16	18	9.0	6.0	7.0	192	225	125	51	70
28	119	100	15	17	8.0	6.0	7.0	167	330	115	49	79
29	94	120	15	17	---	6.0	7.0	159	798	133	41	570
30	135	90	14	16	---	6.0	7.0	157	415	127	35	436
31	113	---	14	16	---	6.0	---	149	---	96	33	---
TOTAL	3559	1805	820	481	302.0	195.0	195.0	2052.0	7538	5689	2247	5489
MEAN	115	60.2	26.5	15.5	10.8	6.29	6.50	66.2	251	184	72.5	183
MAX	670	120	64	30	15	8.0	7.0	192	798	358	125	570
MIN	31	30	14	10	8.0	6.0	6.0	7.0	157	96	33	32
CFSM	10.6	5.57	2.45	1.44	1.00	.58	.60	6.13	23.2	17.0	6.71	16.9
IN.	12.26	6.22	2.82	1.66	1.04	.67	.67	7.07	25.96	19.59	7.74	18.90
AC-FT	7060	3580	1630	954	599	387	387	4070	14950	11280	4460	10890

CAL YR 1974 TOTAL 27560.0 MEAN 75.5 MAX 828 MIN 7.0 CFSM 6.99 IN 94.92 AC-FT 54670
WTR YR 1975 TOTAL 30372.0 MEAN 83.2 MAX 798 MIN 6.0 CFSM 7.70 IN 104.61 AC-FT 60240

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-24	1800	6.38	1,190	09-10	1300	6.26	1,040
06-29	1130	6.38	1,180	09-19	2300	6.12	900
09-06	0200	5.99	782	09-29	1830	6.25	1,030

NOTE.--No gage-height record Dec. 16 to Jan. 18 and Jan. 29 to May 1.

15239000 Bradley River near Homer

LOCATION.--Lat 59°45'24", long 150°51'02", in NE¼SW¼ sec.8, T.5 S., R.9 W., Kenai Peninsula Borough, on right bank about 800 ft (200 m) downstream from Bradley Lake outlet, 3.5 mi (5.6 km) upstream from unnamed tributary, and 26 mi (42 km) northeast of Homer.

DRAINAGE AREA.--54.0 mi² (139.9 km²).

PERIOD OF RECORD.--July to August 1955, October 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,050 ft (320 m) from topographic map. July 13-22, 1955, nonrecording gage at site 1 mi (1.6 km) upstream at different datum, and July 23 to Aug. 5, 1955, nonrecording gage at site 3 mi (4.8 km) upstream at different datum.

AVERAGE DISCHARGE.--18 years, 406 ft³/s (11.50 m³/s), 102.10 in/yr (2,593 mm/yr), 294,100 acre-ft/yr (363 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, about 2,000 ft³/s (57 m³/s) June 29; minimum daily, about 30 ft³/s (0.85 m³/s) Mar. 28 to Apr. 29.

Period of record: Maximum discharge, 7,690 ft³/s (218 m³/s) Oct. 14, 1969, gage height, 9.13 ft (2.783 m) from rating curve extended above 2,400 ft³/s (68 m³/s); minimum daily, about 16 ft³/s (0.45 m³/s) Mar. 26 to Apr. 25, 1972.

REMARKS.--Records good except those for Nov. 5 to May 10, May 27 to July 1, and Sept. 10-30, which are poor. Streamflow augmented by meltage from glaciers that cover 36 percent of the basin.

REVISIONS (WATER YEARS).--WRD Alaska, 1970: 1958, 1960 (M), 1961, 1963 (M), 1965-67, 1968 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	403	360	150	65	48	42	30	34	700	1400	874	459
2	333	329	140	60	48	40	30	36	780	1270	825	437
3	297	310	150	60	46	40	30	36	820	1260	817	442
4	289	282	160	55	46	38	30	38	840	1260	866	448
5	274	260	150	55	46	38	30	40	800	1150	909	517
6	274	240	150	55	46	38	30	42	760	1090	915	720
7	280	240	140	55	46	36	30	46	760	1070	878	713
8	277	280	140	55	46	36	30	50	840	1180	838	616
9	274	240	140	55	44	36	30	55	900	1410	774	543
10	269	220	130	55	44	36	30	70	920	1480	751	700
11	262	220	130	55	44	36	30	94	880	1510	740	1000
12	254	250	120	55	44	36	30	305	840	1530	800	1200
13	250	250	120	55	42	34	30	474	800	1360	1090	950
14	280	260	120	55	42	34	30	574	840	1230	1540	850
15	300	240	110	55	40	34	30	608	900	1160	1650	800
16	280	230	110	55	40	34	30	601	1000	1060	1450	750
17	270	220	110	55	40	32	30	571	1050	930	1190	850
18	260	220	100	60	40	32	30	554	980	860	1030	900
19	250	200	100	60	40	32	30	546	1050	838	1010	1000
20	240	190	95	60	40	32	30	515	1050	823	1010	1300
21	250	180	95	60	40	32	30	484	1100	797	911	1200
22	270	170	90	55	40	32	30	456	1300	773	781	1100
23	298	170	90	55	42	32	30	420	1200	763	679	1050
24	474	160	90	55	42	32	30	408	1100	813	601	1050
25	748	160	90	55	44	32	30	425	1150	838	540	1000
26	740	150	85	50	42	32	30	475	1200	833	535	950
27	603	170	85	50	42	32	30	520	1300	837	565	900
28	512	180	80	50	42	30	30	560	1500	862	589	950
29	429	170	75	50	---	30	30	620	2000	905	584	1000
30	404	160	70	50	---	30	32	660	1700	905	540	1100
31	396	---	70	48	---	30	---	680	---	918	492	---
TOTAL	10740	6711	3485	1713	1206	1060	902	10997	31060	33115	26774	25495
MEAN	346	224	112	55.3	43.1	34.2	30.1	355	1035	1068	864	850
MAX	748	360	160	65	48	42	32	680	2000	1530	1650	1300
MIN	240	150	70	48	40	30	30	34	700	763	492	437
CFSM	6.41	4.15	2.07	1.02	.80	.63	.56	6.57	19.2	19.8	16.0	15.7
IN.	7.40	4.62	2.40	1.18	.83	.73	.62	7.58	21.40	22.81	18.44	17.56
AC-FT	21300	13310	6910	3400	2390	2100	1790	21810	61610	65680	53110	50570

CAL YR 1974 TOTAL 150659 MEAN 413 MAX 3330 MIN 19 CFSM 7.65 IN 103.79 AC-FT 298800
WTR YR 1975 TOTAL 153258 MEAN 420 MAX 2000 MIN 30 CFSM 7.78 IN 105.58 AC-FT 304000

NOTE.--No gage-height record Dec. 2 to May 10 and May 27 to July 1.

15241600 Ninilchik River at Ninilchik

LOCATION.--Lat 60°02'56", long 151°39'48", in NE¼ sec.34, T.1 S., R.14 W., Kenai Peninsula Borough, on downstream side of bridge at Ninilchik, and 0.9 mi (1.4 km) upstream from mouth.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--April 1963 to current year.

GAGE.--Nonrecording gage. Altitude of gage is 30 ft (9 m) from topographic map. Prior to Oct. 1, 1965, at site 0.2 mi (0.3 km) upstream at different datum.

AVERAGE DISCHARGE.--12 years, 104 ft³/s (2.945 m³/s), 10.78 in/yr (274 mm/yr), 75,350 acre-ft/yr (92.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,200 ft³/s (34.0 m³/s) May 12, gage height, 6.98 ft (2.128 m), from floodmarks and graph based on gage readings; minimum daily, about 45 ft³/s (1.27 m³/s) Jan. 3-7.
Period of record: Maximum discharge, 1,240 ft³/s (35.1 m³/s) Apr. 24, 1974, gage height, 6.04 ft (1.841 m), from graph based on gage readings; maximum gage height observed, 8.69 ft (2.649 m) Apr. 14, 1969, backwater from ice; minimum discharge observed, 30 ft³/s (0.85 m³/s) July 20, 1966, gage height, 3.64 ft (1.109 m).

REMARKS.--Records fair except those for Nov. 11 to May 3, which are poor. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	94	65	50	50	55	60	200	303	87	80	56
2	100	108	60	50	50	55	60	240	294	86	70	60
3	72	128	60	45	50	55	65	220	294	78	67	78
4	76	122	60	45	50	55	65	202	291	77	62	99
5	136	142	60	45	50	55	65	231	309	77	75	91
6	231	133	60	45	50	55	65	213	318	73	73	123
7	293	108	60	45	50	55	65	267	282	68	67	105
8	188	100	60	50	50	55	65	338	234	65	63	84
9	142	96	60	50	50	55	65	391	200	68	65	87
10	125	80	60	50	50	55	65	640	182	59	62	221
11	112	70	60	50	50	55	70	980	177	59	59	324
12	105	70	60	50	50	55	70	1100	160	68	59	264
13	94	70	60	55	50	55	70	861	145	78	59	223
14	325	65	60	55	50	55	75	716	136	103	67	177
15	288	65	60	55	50	55	75	530	131	105	75	157
16	215	65	60	60	50	55	75	486	123	89	73	115
17	167	60	60	60	50	55	80	405	129	78	75	127
18	136	60	60	60	50	55	80	377	115	73	80	138
19	112	60	60	60	50	55	80	380	131	82	73	125
20	108	60	60	60	50	55	85	294	167	91	71	113
21	105	60	60	60	55	55	85	315	141	84	80	103
22	105	60	60	60	55	55	90	291	127	78	71	138
23	110	60	60	60	55	55	95	282	127	77	62	141
24	120	60	60	60	55	55	95	276	125	99	63	121
25	128	65	60	60	55	55	100	246	111	84	62	109
26	118	65	55	60	55	60	100	237	97	75	60	95
27	105	65	55	60	55	60	95	234	87	70	59	103
28	103	65	55	55	55	60	100	240	84	63	59	99
29	100	65	55	55	---	60	120	282	86	65	54	95
30	96	65	55	55	---	60	150	315	87	82	56	86
31	96	---	55	50	---	60	---	318	---	84	57	---
TOTAL	4305	2386	1835	1675	1440	1735	2430	12101	5193	2401	2058	3857
MEAN	139	79.5	59.2	54.0	51.4	56.0	81.0	390	173	77.5	66.4	129
MAX	325	142	65	60	55	60	150	1100	318	105	80	324
MIN	72	60	55	45	50	55	60	200	84	59	54	56
CFSM	1.06	.61	.45	.41	.39	.43	.62	2.98	1.32	.59	.51	.98
IN.	1.22	.68	.52	.48	.41	.49	.69	3.44	1.47	.68	.58	1.10
AC-FT	8540	4730	3640	3320	2860	3440	4820	24000	10300	4760	4080	7650

CAL YR 1974 TOTAL 43127 MEAN 118 MAX 1220 MIN 36 CFSM .90 IN 12.25 AC-FT 85540
WTR YR 1975 TOTAL 41416 MEAN 113 MAX 1100 MIN 45 CFSM .86 IN 11.76 AC-FT 82150

NOTE.--No gage-height record Nov. 19 to Apr. 30.

15248000 Trail River near Lawing

LOCATION.--Lat 60°26'01", long 149°22'19", in SW¼ sec.13, T.4 N., R.1 W., Kenai Peninsula Borough, near center of stream on downstream end of pier at bridge site on old Seward-Anchorage Highway, 0.2 mi (0.3 km) upstream from Falls Creek, 0.2 mi (0.3 km) downstream from Lower Trail Lake, 1.9 mi (3.1 km) upstream from mouth, and 2.1 mi (3.4 km) north of Lawing.

DRAINAGE AREA.--181 mi² (469 km²).

PERIOD OF RECORD.--May 1947 to Sept. 1974 (discharge); Oct. 1974 to Sept. 1975 (seasonal gage heights only).

GAGE.--Water-stage recorder. Altitude of gage is 460 ft (140 m) from topographic map. Prior to Sept. 13, 1952, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum gage height, 8.96 ft (2.731 m) July 11; minimum gage height not determined.
Period of record: Maximum gage height, 11.93 (3.636 m) Sept. 18, 1967; minimum gage height not determined.

REVISIONS (WATER YEARS).--WRD Alaska, 1970: 1966, 1967.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	3.37	6.36	7.96	7.27	5.85
2							---	3.48	6.46	7.87	7.20	5.72
3							---	3.61	6.61	7.81	7.17	5.65
4							---	3.73	6.64	7.94	7.16	5.58
5							---	3.81	6.58	8.04	7.28	5.55
6							---	3.86	6.50	8.00	7.40	5.60
7							---	3.91	6.46	8.12	7.33	5.60
8							---	3.92	6.40	8.31	7.24	5.50
9							---	3.97	6.38	8.62	7.15	5.30
10							---	4.23	6.39	8.86	7.04	5.25
11							---	5.47	6.37	8.91	6.99	5.76
12							---	7.37	6.28	8.88	7.00	6.60
13							---	7.64	6.16	8.68	7.24	6.60
14							---	7.34	6.07	8.39	7.79	6.37
15							---	7.07	6.07	8.17	8.25	6.13
16							---	6.90	6.20	7.92	8.55	5.92
17							---	6.75	6.49	7.70	8.29	5.83
18							---	6.54	6.66	7.60	7.94	6.04
19							---	6.37	6.78	7.65	7.71	6.48
20							---	6.29	6.94	7.72	7.50	6.46
21							---	6.17	6.95	7.65	7.28	6.53
22							---	6.05	7.03	7.48	7.09	6.48
23							3.13	5.98	7.09	7.31	6.86	---
24							3.13	5.90	6.99	7.27	6.70	---
25							3.16	5.90	6.86	7.40	6.59	---
26							3.20	5.91	6.86	7.39	6.52	---
27							3.22	6.04	7.04	7.29	6.52	---
28							3.23	6.16	7.22	7.27	6.49	---
29							3.26	6.16	7.53	7.30	6.35	---
30							3.29	6.20	7.83	7.32	6.18	---
31							---	6.26	---	7.34	6.02	---
MEAN								5.58	6.67	7.88	7.16	
MAX								7.64	7.83	8.91	8.55	
MIN								3.37	6.07	7.27	6.02	

15258000 Kenai River at Cooper Landing

LOCATION.--Lat 60°29'34", long 149°48'28", in SE¼ sec.28, T.5 N., R.3 W., Kenai Peninsula Borough, near center of span on upstream side of bridge on Sterling Highway, 0.9 mi (1.4 km) east (upstream) of Cooper Landing, Bean Creek, and Kenai Lake outlet.

DRAINAGE AREA.--634 mi² (1,642 km²).

PERIOD OF RECORD.--May 1947 to current year.

GAGE.--Nonrecording gage. Altitude of gage is 430 ft (131 m) from topographic map. Prior to Apr. 13, 1950, at site 0.8 mi (1.3 km) downstream at different datum. Apr. 14, 1950 to Apr. 6, 1964, at site 20 ft (6 m) upstream of present location at datum 3.3 ft (1.0 m) higher. Apr. 7, 1964 to Aug. 27, 1965, at site 130 ft (40 m) downstream and Aug. 28, 1965 to Jan. 21, 1974 at site 30 ft (9 m) downstream at present datum.

AVERAGE DISCHARGE.--28 years, 2,677 ft³/s (75.81 m³/s), 57.34 in/yr (1,456 mm/yr), 1,939,000 acre-ft/yr (2.39 km³/yr), adjusted to exclude diversion from Cooper Lake.

EXTREMES.--Current year: Maximum discharge, 9,630 ft³/s (273 m³/s) July 15, gage height, 12.22 ft (3.725 m); minimum daily, 400 ft³/s (11.3 m³/s) Apr. 15, 16.
Period of record: Maximum discharge, 23,100 ft³/s (654 m³/s) Sept. 21, 1974, gage height, 17.18 ft (5.236 m); result of release of stored water from glacier-dammed lake at head of unnamed glacier in the Snow River basin; no flow Mar. 27, 28, 1964 (caused by earthquake).

REMARKS.--Records good. Diversion from Cooper Lake to Kenai Lake above gage through Cooper Lake powerplant began May 1961.

COOPERATION.--Records of diversion furnished by Chugach Electric Association.

REVISION (WATER YEARS).--WRD Alaska 1970: 1964 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4750	3400	1100	760	690	500	419	472	4170	6970	5840	3820
2	4350	3500	1100	735	665	512	419	472	4260	6930	5830	3660
3	4050	3500	1100	730	632	512	413	476	4370	7110	5810	3550
4	3800	3450	1100	730	612	496	416	496	4460	7340	5790	3480
5	3600	3300	1100	730	592	484	419	512	4540	7530	5740	3380
6	3200	3200	1100	735	580	476	419	536	4510	7750	5700	3350
7	2900	3100	1100	730	572	468	419	544	4530	7900	5750	3350
8	2620	2970	1100	725	576	468	419	556	4460	8410	5630	3220
9	2560	2700	1110	725	568	468	413	580	4410	8910	5570	3210
10	2500	2650	1100	715	564	492	410	690	4460	8910	5520	3550
11	2350	2500	1080	715	548	480	404	890	4430	9020	5500	3690
12	2200	2370	1050	705	540	472	404	1280	4300	9130	5400	3980
13	2100	2300	1000	705	520	464	410	1770	4230	9290	5500	4050
14	2040	2200	976	690	508	456	404	2360	4140	9510	5700	3980
15	2000	2000	946	680	496	452	400	2920	4100	9630	6000	3900
16	1960	1880	920	675	492	440	400	3170	4280	9180	6300	3860
17	1920	1780	920	665	492	434	420	3450	4300	8820	6750	3900
18	1890	1690	930	650	484	425	440	3630	4490	8160	7200	3960
19	1880	1610	940	640	472	422	450	3770	4610	7900	7400	4160
20	1860	1550	940	660	472	419	452	3770	4800	7680	7070	4450
21	1830	1480	930	720	464	419	444	3770	4980	7450	6360	4620
22	1820	1420	920	765	456	419	440	3760	5150	7030	5700	4780
23	1900	1370	900	790	456	416	437	3770	5310	6690	5600	4670
24	2100	1370	885	780	444	416	434	3760	5310	6360	5470	4650
25	2510	1330	870	765	448	413	440	3770	5320	5920	5300	4650
26	2930	1280	860	740	460	419	452	3770	5220	5880	5000	4830
27	2910	1240	840	715	470	416	460	3820	5550	5980	4770	4830
28	2910	1170	820	705	486	416	464	3900	5880	5880	4590	5170
29	2970	1120	800	680	---	416	468	3980	6450	5880	4380	5610
30	3090	1120	780	650	---	419	472	4050	7050	5830	4200	5980
31	3200	---	760	705	---	422	---	4100	---	5860	3990	---
TOTAL	82700	64550	30077	22115	14753	13931	12861	74794	144070	234860	175360	124290
MEAN	2668	2152	970	713	527	449	429	2413	4802	7576	5657	4143
MAX	4750	3500	1110	790	690	512	472	4100	7050	9630	7400	5980
MIN	1820	1120	760	640	444	413	400	472	4100	5830	3990	3210
AC-FT	164000	128000	59660	43870	29260	27630	25510	148400	285800	465800	347800	246500

CAL YR 1974 TOTAL 1006691 MEAN 2758 MAX 22500 MIN 332 AC-FT 1997000
WTR YR 1975 TOTAL 994361 MEAN 2724 MAX 9630 MIN 400 AC-FT 1972000

ADJUSTED TO EXCLUDE DIVERSION FROM COOPER LAKE

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2,613	2,046	864	567	462	393	367	2,376	4,749	7,491	5,522	4,046
CFSM	4.12	3.23	1.36	.89	.73	.62	.58	3.75	7.49	11.82	8.71	6.38
IN.	4.75	3.60	1.57	1.03	.76	.71	.65	4.32	8.36	13.62	10.04	7.12
AC-FT	160,700	121,700	53,120	34,870	25,640	24,170	21,820	146,100	282,600	460,600	339,500	240,700

CAL YR 1974 MEAN 2,690 CFSM 4.24 IN 57.59 AC-FT 1,947,000
WTR YR 1974 MEAN 2,640 CFSM 4.16 IN 56.53 AC-FT 1,912,000

15266300 Kenai River at Soldotna

LOCATION.--Lat 60°28'39", long 151°04'46", Kenai Peninsula Borough, near center of span on downstream side of bridge on Sterling Highway, 1.0 mi (1.6 km) southwest of Soldotna.

DRAINAGE AREA.--2,010 mi² (5,210 km²).

PERIOD OF RECORD.--May 1965 to current year.

GAGE.--Nonrecording gage. Datum of gage is 35.34 ft (10.772 m) above mean sea level.

AVERAGE DISCHARGE.--10 years, 5,365 ft³/s (151.9 m³/s), 36.25 in/yr (921 mm/yr), 3,887,000 acre-ft/yr (4.79 km³/yr).

EXTREMES.--Current year: Maximum discharge 17,200 ft³/s (487 m³/s) July 15, gage height, 10.43 ft (3.179 m); minimum daily, about 1,000 ft³/s (28.3 m³/s) Mar. 10 to Apr. 20.

Period of record: Maximum discharge, 30,000 ft³/s (850 m³/s) Oct. 15, 1969, gage height, 12.20 ft (3.719 m); maximum gage height, 22.62 ft (6.895 m) Jan. 18, 1969, backwater from ice; minimum daily discharge, 770 ft³/s (21.8 m³/s) Apr. 1-4, 1966.

REMARKS.--Records fair except those for Dec. 3 to Apr. 27, which are poor.

REVISIONS (WATER YEARS).--WRD Alaska, 1970: 1968 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15000	4350	1840	1400	1200	1200	1000	1700	6310	10900	12000	9220
2	13100	4580	1650	1400	1200	1200	1000	2100	6460	11100	12100	9020
3	12300	4450	1700	1400	1200	1200	1000	2680	6790	11100	11700	8540
4	11300	4520	1700	1400	1200	1200	1000	2740	6850	11700	12000	8080
5	11000	4620	1700	1400	1200	1200	1000	2660	6820	11700	11600	7990
6	10500	4450	1700	1400	1200	1100	1000	2480	6940	11700	11800	7630
7	10700	4450	1700	1400	1200	1100	1000	2130	6760	12300	11300	7300
8	11000	4400	1700	1400	1200	1100	1000	2250	6850	12400	11400	7090
9	12300	4150	1650	1400	1200	1100	1000	2220	6820	13500	11600	6700
10	14300	3900	1650	1400	1200	1000	1000	2370	6850	14100	11300	7030
11	16400	3900	1600	1300	1200	1000	1000	3100	6850	14800	11300	7390
12	13900	3850	1600	1300	1200	1000	1000	5150	6700	16000	11500	7450
13	12300	3850	1650	1300	1100	1000	1000	3820	6850	16600	11900	7600
14	10700	3320	1600	1300	1100	1000	1000	3900	6640	16700	11800	7450
15	9100	3300	1600	1300	1100	1000	1000	3400	6550	17200	12100	7390
16	7750	3300	1600	1200	1100	1000	1000	3580	6850	16800	12900	7300
17	7090	3160	1600	1200	1100	1000	1000	3650	7000	16600	13200	8200
18	5950	3100	1700	1200	1100	1000	1000	3580	7000	15800	13800	7510
19	5560	3000	1700	1200	1100	1000	1000	3820	7150	16300	13900	7630
20	5200	3000	1700	1200	1100	1000	1000	3450	7570	15100	14400	7810
21	5020	2800	1800	1200	1100	1000	1100	3680	7600	14600	14300	8290
22	4700	2540	1700	1300	1100	1000	1100	4050	7750	14400	14000	8500
23	4420	2440	1700	1400	1100	1000	1100	4300	8020	13900	13700	8780
24	4700	2370	1600	1400	1100	1000	1200	4580	8000	13600	13300	8700
25	4880	2310	1600	1400	1100	1000	1200	4700	7900	13300	12900	8900
26	4820	2280	1600	1400	1100	1000	1200	5000	8100	13100	11800	8940
27	4700	2250	1600	1300	1100	1000	1300	5290	8500	12900	11500	8820
28	4450	2220	1500	1300	1200	1000	1380	5650	8900	12700	11400	8820
29	4400	2180	1500	1300	---	1000	1440	5920	9500	12600	10600	9100
30	4400	2130	1500	1200	---	1000	1600	6160	9660	12500	9860	9060
31	4350	---	1400	1200	---	1000	---	6160	---	12700	9540	---
TOTAL	266290	101250	50840	40900	32100	32400	32620	116270	220540	428700	376500	242240
MEAN	8590	3375	1640	1319	1146	1045	1087	3751	7351	13830	12150	8075
MAX	16400	4620	1840	1400	1200	1200	1600	6160	9660	17200	14400	9220
MIN	4350	2130	1400	1200	1100	1000	1000	1700	6310	10900	9540	6700
CFSM	4.27	1.68	.82	.66	.57	.52	.54	1.87	3.66	6.88	6.04	4.02
IN.	4.93	1.87	.94	.76	.59	.60	.60	2.15	4.08	7.93	6.97	4.48
AC-FT	528200	200800	100800	81130	63670	64270	64700	230600	437400	850300	746800	480500

CAL YR 1974 TOTAL 2013180 MEAN 5516 MAX 26000 MIN 850 CFSM 2.74 IN 37.26 AC-FT 3993000
WTR YR 1975 TOTAL 1940650 MEAN 5317 MAX 17200 MIN 1000 CFSM 2.65 IN 35.92 AC-FT 3849000

NOTE.--No gage-height record Dec. 25 to Apr. 22.

15266500 Beaver Creek near Kenai

LOCATION.--Lat 60°33'50", long 151°07'03", in SE¼ sec.36, T.6 N., R.11 W., Kenai Peninsula Borough, on right bank 25 ft (8 m) upstream from culvert on Kenai-Soldotna Road, 2.0 mi (3.2 km) upstream from mouth, and 4.5 mi (7.2 km) east of Kenai.

DRAINAGE AREA.--51 mi² (132 km²), approximately.

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 48 ft (15 m) from topographic map.

AVERAGE DISCHARGE.--8 years, 26.6 ft³/s (0.753 m³/s), 7.08 in/yr (180 mm/yr), 19,270 acre-ft/yr (23.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 278 ft³/s (7.87 m³/s) May 10, gage height, 8.75 ft (2.667 m); minimum daily, about 11 ft³/s (0.31 m³/s) Mar. 13-25.
Period of record: Maximum discharge, 598 ft³/s (16.9 m³/s) May 8, 1972, gage height, 10.55 ft (3.216 m); minimum, 8.2 ft³/s (0.23 m³/s) Oct. 23, 1969, temporary ice storage upstream.

REMARKS.--Records good except those for Nov. 5 to May 2, which are poor. Records of water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	30	22	16	18	12	12	68	42	21	18	13
2	19	33	22	16	17	12	13	100	41	20	17	13
3	17	41	22	16	17	12	13	136	39	20	16	16
4	17	45	22	16	17	12	13	142	38	20	16	16
5	27	40	21	15	17	12	13	233	41	20	14	18
6	38	32	21	15	15	12	13	239	40	19	14	30
7	48	29	21	15	15	12	13	229	37	18	13	27
8	50	27	21	14	15	12	13	205	35	18	13	24
9	45	24	21	14	15	12	14	222	33	17	13	22
10	40	23	20	14	15	12	14	268	32	16	13	32
11	35	23	20	14	14	12	14	258	30	16	13	50
12	31	22	20	14	14	12	14	225	29	15	12	45
13	30	22	20	14	14	11	15	185	28	17	13	40
14	42	23	20	14	14	11	15	155	28	19	14	31
15	46	23	20	15	14	11	15	140	27	18	15	29
16	43	22	20	15	14	11	16	126	26	16	15	27
17	40	21	20	15	14	11	17	115	25	16	14	30
18	38	21	19	15	13	11	17	104	25	16	14	34
19	36	21	19	16	13	11	19	92	28	18	14	30
20	35	20	19	16	13	11	19	77	28	18	14	27
21	34	20	19	16	13	11	21	67	26	17	14	31
22	36	21	19	17	13	11	23	65	26	16	13	33
23	38	21	19	17	13	11	26	61	29	16	13	29
24	42	21	19	17	13	11	28	57	26	16	13	26
25	44	21	19	18	13	11	30	53	25	15	13	25
26	42	21	18	18	13	12	32	49	24	15	13	22
27	39	21	18	18	13	12	34	46	22	15	12	23
28	36	21	18	18	12	12	37	44	21	14	12	21
29	34	22	18	18	---	12	40	47	21	14	12	20
30	32	22	18	18	---	12	50	46	22	17	12	19
31	31	---	16	18	---	12	---	44	---	18	13	---
TOTAL	1105	753	611	492	401	359	613	3898	894	531	425	803
MEAN	35.6	25.1	19.7	15.9	14.3	11.6	20.4	126	29.8	17.1	13.7	26.8
MAX	50	45	22	18	18	12	50	268	42	21	18	50
MIN	17	20	16	14	12	11	12	44	21	14	12	13
CFSM	.70	.49	.39	.31	.28	.23	.40	2.47	.58	.34	.27	.53
IN.	.81	.55	.45	.36	.29	.26	.45	2.84	.65	.39	.31	.59
AC-FT	2190	1490	1210	976	795	712	1220	7730	1770	1050	843	1590

CAL YR 1974 TOTAL 9777 MEAN 26.8 MAX 129 MIN 12 CFSM .53 IN 7.13 AC-FT 19390
WTR YR 1975 TOTAL 10805 MEAN 29.6 MAX 268 MIN 11 CFSM .58 IN 7.94 AC-FT 21590

NOTE.--No gage-height record Nov. 11 to Apr. 8.

15267900 Resurrection Creek near Hope

LOCATION.--Lat 60°53'40", long 149°38'13", Kenai Peninsula Borough, on right bank, 2.1 mi (3.4 km) upstream from mouth on south shore of Turnagain Arm, and 1.8 mi (2.9 km) south of Hope.

DRAINAGE AREA.--149 mi² (386 km²).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m) from topographic map.

AVERAGE DISCHARGE.--8 years, 248 ft³/s (7.023 m³/s), 22.60 in/yr (574 mm/yr), 179,700 acre-ft/yr (222 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,240 ft³/s (35.1 m³/s) June 30, gage height, 7.77 ft (2.368 m); minimum daily, 46 ft³/s (1.30 m³/s) Mar. 26 to Apr. 13.

Period of record: Maximum discharge, 2,700 ft³/s (76.5 m³/s) Oct. 6, 1969, gage height, 8.40 ft (2.560 m); minimum daily, 46 ft³/s (1.30 m³/s) Mar. 26 to Apr. 13, 1975.

REMARKS.--Records fair except those for Nov. 15 to Apr. 24, which are poor.

REVISIONS (WATER YEARS).--WRD Alaska 1969: 1968 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	228	110	70	75	75	46	72	660	921	414	260
2	130	218	110	70	80	65	46	76	715	765	404	254
3	140	221	100	70	75	60	46	120	679	855	382	232
4	160	192	100	65	70	55	46	120	678	937	370	221
5	200	185	95	65	65	55	46	110	612	748	402	245
6	270	171	90	65	65	55	46	85	574	733	383	258
7	230	165	90	65	60	60	46	85	570	778	373	240
8	200	170	90	65	60	65	46	90	577	821	395	229
9	180	160	90	60	60	60	46	95	567	865	425	233
10	163	150	90	60	60	55	46	125	553	843	388	278
11	157	150	85	60	65	55	46	378	532	817	369	369
12	145	159	85	60	70	50	46	640	530	918	367	316
13	160	163	85	60	65	50	46	550	505	787	373	288
14	280	159	85	60	60	50	48	500	527	676	364	280
15	230	170	80	60	60	50	48	477	578	594	355	273
16	170	180	80	65	55	50	48	446	694	546	336	255
17	180	150	80	75	55	50	48	473	828	522	316	296
18	140	130	75	80	55	50	48	435	752	506	309	283
19	150	100	75	85	50	48	50	446	822	573	304	268
20	110	100	75	85	50	48	50	429	793	560	290	285
21	110	110	75	85	50	48	50	424	728	518	285	274
22	140	140	75	80	55	48	52	410	766	487	284	308
23	350	130	75	80	60	48	52	404	753	475	279	276
24	470	120	80	80	60	48	52	425	633	469	273	283
25	420	110	80	75	60	48	54	431	558	450	265	290
26	300	110	80	75	70	46	54	473	566	437	256	313
27	300	130	80	75	90	46	55	513	603	412	250	288
28	260	170	80	75	80	46	56	532	680	407	243	279
29	200	140	75	70	---	46	60	556	1000	411	251	285
30	265	120	75	70	---	46	65	563	1110	434	245	272
31	242	---	75	70	---	46	---	580	---	398	266	---
TOTAL	6592	4601	2620	2180	1780	1622	1488	11063	20143	19663	10216	8231
MEAN	213	153	84.5	70.3	63.6	52.3	49.6	357	671	634	330	274
MAX	470	228	110	85	90	75	65	640	1110	937	425	369
MIN	110	100	75	60	50	46	46	72	505	398	243	221
CFSM	1.43	1.03	.57	.47	.43	.35	.33	2.40	4.50	4.26	2.21	1.84
IN.	1.65	1.15	.65	.54	.44	.40	.37	2.76	5.03	4.91	2.55	2.05
AC-FT	13080	9130	5200	4320	3530	3220	2950	21940	39950	39000	20260	16330

CAL YR 1974 TOTAL 66641 MEAN 183 MAX 643 MIN 60 CFSM 1.23 IN 16.64 AC-FT 132200
WTR YR 1975 TOTAL 90199 MEAN 247 MAX 1110 MIN 46 CFSM 1.66 IN 22.52 AC-FT 178900

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
06-17	0100	7.37	921	07-12	1030	7.65	1,060
06-30	0330	7.77	1,240				

NOTE.--No gage-height record Nov. 15 to Apr. 24.

15272550 Glacier Creek at Girdwood

LOCATION.--Lat 60°56'29", long 149°09'44", in SE¼ sec.19, T.10 N., R.2 E., Municipality of Anchorage, on left downstream wingwall of railroad bridge, 0.2 mi (0.3 km) upstream from mouth, and 0.2 mi (0.3 km) southeast of Girdwood.

DRAINAGE AREA.--62.0 mi² (160.6 km²).

PERIOD OF RECORD.--August 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 18.99 ft (5.788 m) above mean sea level (levels by Corps of Engineers, post-earthquake datum of October 1964). Prior to July 23, 1973, on right downstream wingwall.

AVERAGE DISCHARGE.--10 years, 252 ft³/s (7.14 m³/s), 55.19 in/yr (1,402 mm/yr), 182,600 acre-ft/yr (225 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,260 ft³/s (35.7 m³/s) July 12, gage height, 4.46 ft (1.359 m); maximum gage height, 4.56 (1.390 m) Sept. 7, backwater from high tide; minimum discharge, 16 ft³/s (0.45 m³/s) Apr. 3, 4, but may have been less during period of ice effect.

Period of record: Maximum discharge, 7,710 ft³/s (218 m³/s) Sept. 18, 1967, gage height, 7.90 ft (2.408 m) from floodmarks, from rating curve extended above 1,500 ft³/s (42 m³/s); maximum gage height, 8.34 ft (2.542 m) Oct. 6, 1969, from outside floodmark; minimum daily discharge, 13 ft³/s (0.37 m³/s) Mar. 23, 24, and Mar. 28 to Apr. 26, 1972, Mar. 21, 1973, and Feb. 23-25 and Mar. 16-22, 1974.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	281	101	35	26	57	23	194	538	680	316	240
2	118	245	89	30	26	53	22	167	556	673	340	240
3	99	523	81	30	26	49	20	140	526	764	370	220
4	101	350	75	25	24	38	20	111	496	813	400	241
5	130	257	73	25	24	37	20	111	436	743	410	281
6	167	180	71	25	24	36	20	111	430	785	385	316
7	205	152	71	25	24	35	20	109	405	825	360	298
8	155	155	68	25	22	35	20	118	430	827	360	290
9	138	138	62	25	22	30	27	164	490	598	330	281
10	111	103	64	30	22	27	40	607	490	652	316	330
11	103	90	62	30	22	26	49	906	415	914	326	604
12	95	100	57	30	22	25	52	624	385	1000	375	472
13	109	120	59	35	22	26	44	586	340	550	532	410
14	205	140	56	35	22	25	43	514	400	448	652	390
15	164	120	52	38	22	23	49	472	490	415	701	385
16	130	100	40	40	22	23	59	460	568	375	600	365
17	138	80	40	41	24	23	71	415	592	375	500	425
18	120	65	40	43	24	23	68	326	532	385	400	490
19	128	60	45	53	22	22	54	340	568	400	340	440
20	103	60	45	54	22	20	48	395	556	360	350	460
21	111	65	45	48	22	20	45	345	532	330	350	430
22	149	81	45	49	24	20	45	316	580	308	350	472
23	425	71	50	48	24	20	49	281	550	298	350	420
24	568	68	60	45	29	20	53	321	448	326	350	395
25	514	66	55	42	34	20	59	350	430	321	300	410
26	370	62	45	42	93	19	59	454	514	308	300	460
27	370	112	35	41	99	19	59	514	598	326	300	405
28	316	410	30	41	68	25	54	460	680	335	280	380
29	257	316	30	37	---	31	61	442	792	345	260	415
30	425	128	40	32	---	27	89	448	785	345	260	385
31	370	---	35	30	---	25	---	496	---	321	260	---
TOTAL	6543	4698	1721	1129	857	879	1342	11297	15552	16145	11723	11358
MEAN	211	157	55.5	36.4	30.6	28.4	44.7	364	518	521	378	379
MAX	568	523	101	54	99	57	89	906	792	1000	701	604
MIN	95	60	30	25	22	19	20	109	340	298	260	220
CFSM	3.40	2.53	.90	.59	.49	.46	.72	5.87	8.35	8.40	6.10	6.11
IN.	3.93	2.82	1.03	.68	.51	.53	.81	6.78	9.33	9.69	7.04	6.81
AC-FT	12980	9320	3410	2240	1700	1740	2660	22410	30850	32020	23270	22530

CAL YR 1974 TOTAL 67085 MEAN 184 MAX 769 MIN 13 CFSM 2.97 IN 40.25 AC-FT 133100
WTR YR 1975 TOTAL 83254 MEAN 228 MAX 1000 MIN 19 CFSM 3.68 IN 49.95 AC-FT 165100

PEAK DISCHARGE (BASE, 1,500 CFS).--No peak above base.

15273900 South Fork Campbell Creek at canyon mouth near Anchorage

LOCATION.--Lat 61°08'52", long 149°43'12", in NE¼ sec.12, T.12 N., R.3 W., Municipality of Anchorage, on right bank, 1.9 mi (3.1 km) upstream from ford on Campbell Airstrip road crossing, and 7.5 mi (12.1 km) southeast of Anchorage Post Office.

DRAINAGE AREA.--25.2 mi^2 (65.3 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 520 ft (158 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 38.4 ft^3/s (1.087 m^3/s), 20.70 in/yr (526 mm/yr), 27,820 acre-ft/yr (34.3 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 292 ft^3/s (8.27 m^3/s) Sept. 11, gage height, 3.84 ft (1.170 m); minimum daily, about 10 ft^3/s (0.28 m^3/s) Mar. 25 to Apr. 1 and Apr. 6-9.

Period of record: Maximum discharge, 300 ft^3/s (8.50 m^3/s) Aug. 8, 1971, gage height, 3.77 ft (1.149 m); maximum gage height, 8.0 ft (2.44 m) winter 1970-71, backwater from ice; minimum daily discharge, 8.0 ft^3/s (0.23 m^3/s) Feb. 5, 1969.

REMARKS.--Records good except those for Nov. 5 to Mar. 27, which are poor. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	33	26	19	19	13	10	12	78	117	64	43
2	50	33	26	19	19	13	11	13	87	103	65	40
3	65	35	26	18	18	13	11	13	86	107	59	37
4	67	32	24	18	18	12	11	12	88	109	55	36
5	58	30	24	18	17	12	11	12	82	99	75	41
6	51	30	24	18	17	12	10	12	80	96	69	46
7	49	28	24	18	16	12	10	12	79	101	62	43
8	40	28	24	19	16	12	10	12	82	106	58	43
9	38	28	24	19	15	12	10	13	77	110	71	53
10	36	26	24	20	15	12	11	21	74	107	61	74
11	35	26	24	20	14	12	11	32	72	104	55	218
12	36	26	22	20	14	12	11	37	71	116	53	141
13	36	26	22	20	14	12	11	58	69	103	54	99
14	45	26	22	20	14	12	11	61	72	92	52	83
15	40	26	22	20	14	11	11	62	76	86	51	77
16	36	26	22	22	14	11	11	49	85	79	50	71
17	35	26	22	22	14	11	12	42	97	75	47	117
18	35	24	22	22	14	11	11	46	89	72	48	157
19	34	24	22	22	14	11	11	49	97	78	45	123
20	31	24	22	22	14	11	11	47	100	79	44	107
21	35	24	22	22	14	11	11	43	95	73	43	97
22	37	24	24	22	14	11	11	40	102	66	42	125
23	38	24	26	22	14	11	11	40	108	64	40	105
24	42	24	26	22	14	11	11	45	94	60	40	95
25	43	24	24	22	14	10	11	48	87	59	39	95
26	37	24	24	20	14	10	11	55	86	57	39	87
27	35	26	22	20	14	10	11	58	91	55	39	83
28	32	28	22	20	14	10	11	58	99	55	38	79
29	33	28	22	20	---	10	11	64	133	57	37	75
30	35	26	20	20	---	10	11	67	144	64	36	71
31	33	---	20	19	---	10	---	66	---	56	43	---
TOTAL	1248	809	720	625	422	351	326	1199	2680	2605	1574	2561
MEAN	40.3	27.0	23.2	20.2	15.1	11.3	10.9	38.7	89.3	84.0	50.8	85.4
MAX	67	35	26	22	19	13	12	67	144	117	75	218
MIN	31	24	20	18	14	10	10	12	69	55	36	36
CFSM	1.60	1.07	.92	.80	.60	.45	.43	1.54	3.54	3.33	2.02	3.39
IN.	1.84	1.19	1.06	.92	.62	.52	.48	1.77	3.96	3.85	2.32	3.78
AC-FT	2480	1600	1430	1240	837	696	647	2380	5320	5170	3120	5080

CAL YR 1974 TOTAL 12002.1 MEAN 32.9 MAX 108 MIN 9.0 CFSM 1.31 IN 17.72 AC-FT 23810
WTR YR 1975 TOTAL 15120.0 MEAN 41.4 MAX 218 MIN 10 CFSM 1.64 IN 22.32 AC-FT 29990

PEAK DISCHARGE (BASE, 160 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-29	2300	3.37	161	09-11	1300	3.84	292
				09-18	0230	3.54	180

NOTE.--No gage-height record Nov. 5 to Mar. 27.

15274300 North Fork Campbell Creek near Anchorage

LOCATION.--Lat 61°10'10", long 149°45'43", in SW¼ sec.35, T.13 N., R.3 W., Municipality of Anchorage, on right bank 40 ft (12 m) upstream from Campbell Airstrip road, 2.5 mi (4.0 km) upstream from confluence with South Fork, and 5.5 mi (8.8 km) southeast of Anchorage Post Office.

DRAINAGE AREA.--13.4 mi^2 (34.7 km^2).

PERIOD OF RECORD.--Annual maximum, water years 1967-74. June 1974 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Altitude of gage is 300 ft (91 m) from topographic map. May 7, 1967 to June 5, 1974, crest-stage gage at site 25 ft (7.6 m) downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 68 ft^3/s (1.93 m^3/s) Sept. 12, gage height, 11.48 ft (3.499 m); minimum daily, about 2.0 ft^3/s (0.057 m^3/s) Feb. 2-22 and Apr. 1-15.
Period of record: Maximum discharge, 107 ft^3/s (3.03 m^3/s) Aug. 9, 1971, gage height, 12.18 ft (3.712 m); minimum daily, about 2.0 ft^3/s (0.057 m^3/s) Feb. 2-22 and Apr. 1-15, 1975.

REMARKS.--Records poor prior to May 4 and good thereafter. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	6.0	3.0	3.0	3.0	2.0	8.0	13	48	28	18
2	11	12	6.0	3.0	2.0	3.0	2.0	9.0	14	41	28	18
3	11	11	6.0	3.0	2.0	3.0	2.0	10	14	43	26	16
4	16	11	6.0	3.0	2.0	3.0	2.0	12	16	44	26	16
5	16	9.0	6.0	3.0	2.0	3.0	2.0	8.6	16	41	31	17
6	15	9.0	5.0	3.0	2.0	3.0	2.0	8.6	16	40	32	18
7	15	7.0	5.0	3.0	2.0	3.0	2.0	7.2	18	43	28	16
8	10	7.0	5.0	3.0	2.0	3.0	2.0	7.2	21	47	27	18
9	10	6.0	5.0	4.0	2.0	3.0	2.0	8.1	23	50	28	21
10	10	5.0	5.0	4.0	2.0	3.0	2.0	9.0	24	50	26	25
11	10	5.0	5.0	5.0	2.0	3.0	2.0	13	25	50	25	46
12	10	5.0	4.0	5.0	2.0	3.0	2.0	12	24	53	25	52
13	13	6.0	4.0	6.0	2.0	3.0	2.0	10	22	52	25	36
14	13	6.0	4.0	6.0	2.0	3.0	2.0	9.3	24	42	24	32
15	10	6.0	4.0	6.0	2.0	3.0	2.0	9.3	24	40	24	30
16	10	6.0	4.0	5.0	2.0	3.0	3.0	8.6	26	36	23	28
17	11	4.0	4.0	5.0	2.0	3.0	3.0	8.1	29	34	22	38
18	12	3.0	4.0	5.0	2.0	3.0	3.0	8.4	31	34	23	42
19	13	3.0	4.0	4.0	2.0	3.0	3.0	8.6	34	36	22	42
20	10	3.0	4.0	4.0	2.0	3.0	3.0	9.3	38	38	20	37
21	10	4.0	4.0	4.0	2.0	3.0	3.0	8.8	38	36	20	33
22	10	4.0	4.0	4.0	2.0	3.0	4.0	8.8	40	32	19	40
23	10	4.0	4.0	4.0	3.0	3.0	4.0	8.6	38	30	18	36
24	11	4.0	4.0	4.0	3.0	3.0	4.0	9.3	36	30	18	34
25	11	4.0	4.0	4.0	3.0	3.0	4.0	9.3	34	29	18	35
26	10	4.0	4.0	4.0	3.0	3.0	4.0	9.5	35	28	18	32
27	10	4.0	4.0	4.0	3.0	3.0	4.0	10	37	27	17	31
28	10	6.0	3.0	4.0	3.0	3.0	5.0	10	41	26	17	30
29	11	6.0	3.0	3.0	---	3.0	5.0	12	55	28	17	29
30	11	6.0	3.0	3.0	---	3.0	6.0	12	59	28	16	27
31	12	---	3.0	3.0	---	3.0	---	12	---	27	17	---
TOTAL	355	182.0	136.0	124.0	63.0	93.0	88.0	294.6	865	1183	708	893
MEAN	11.5	6.07	4.39	4.00	2.25	3.00	2.93	9.50	28.8	38.2	22.8	29.8
MAX	16	12	6.0	6.0	3.0	3.0	6.0	13	59	53	32	52
MIN	10	3.0	3.0	3.0	2.0	3.0	2.0	7.2	13	26	16	16
CFSM	.86	.45	.33	.30	.17	.22	.22	.71	2.15	2.85	1.70	2.22
IN.	.99	.51	.38	.34	.17	.26	.24	.82	2.40	3.28	1.97	2.48
AC-FT	704	361	270	246	125	184	175	584	1720	2350	1400	1770

WTR YR 1975 TOTAL 4984.6 MEAN 13.7 MAX 59 MIN 2.0 CFSM 1.02 IN 13.84 AC-FT 9690

NOTE.--No gage-height record Oct. 1 to Apr. 28.

15274600 Campbell Creek near Spenard

LOCATION.--Lat 61°08'17", long 149°55'20", on line between sec.11 and 14, T.12 N., R.4 W., Municipality of Anchorage, on upstream right wingwall of bridge at Dimond Boulevard crossing, 2.0 mi (3.2 km) upstream from mouth, and 4.3 mi (6.9 km) south of Spenard.

DRAINAGE AREA.--69.7 mi² (180.5 km²).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 18.04 ft (5.499 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 57.7 ft³/s (1.634 m³/s), 11.24 in/yr (285 mm/yr), 41,800 acre-ft/yr (51.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, about 350 ft³/s (9.91 m³/s) Sept. 11, based on runoff comparison with station 15273900; minimum daily, about 5.0 ft³/s (0.14 m³/s) Feb. 9-19.

Period of record: Maximum discharge, 421 ft³/s (11.9 m³/s) Aug. 9, 1971, gage height, 3.63 ft (1.106 m); maximum gage height observed, 4.90 ft (1.494 m) Mar. 3, 1970, backwater from ice; minimum daily discharge, 2.2 ft³/s (0.062 m³/s) Feb. 5, 1969.

REMARKS.--Records good except those for Nov. 5 to Apr. 24 and Sept. 11-30, which are poor. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	50	26	16	14	15	14	73	105	187	100	70
2	50	53	26	15	12	14	15	92	118	164	102	63
3	49	60	24	14	10	14	15	100	122	163	98	58
4	59	55	24	13	9.0	13	15	85	125	168	91	53
5	68	50	24	13	8.0	13	15	80	119	158	114	55
6	79	48	22	13	7.0	13	16	72	115	150	115	71
7	84	46	22	13	6.0	12	16	62	111	157	103	64
8	71	44	22	13	6.0	12	16	66	120	163	100	63
9	60	40	20	14	5.0	12	17	65	116	169	109	83
10	56	32	20	15	5.0	11	20	68	114	166	102	115
11	52	34	19	15	5.0	11	25	93	110	165	94	260
12	52	30	19	16	5.0	11	30	107	109	178	90	220
13	50	32	18	16	5.0	11	26	116	104	178	88	160
14	70	30	18	16	5.0	11	30	123	107	159	86	140
15	68	25	17	17	5.0	11	45	114	110	144	84	130
16	57	20	17	17	5.0	11	60	103	117	131	82	120
17	55	19	16	17	5.0	11	50	87	139	122	80	160
18	55	18	16	18	5.0	11	40	86	136	117	78	220
19	55	17	16	18	5.0	11	38	88	143	123	76	200
20	50	16	17	18	6.0	11	36	87	153	132	74	180
21	49	17	17	19	6.0	11	40	79	148	121	72	160
22	54	18	18	19	6.0	11	45	73	152	112	70	200
23	51	19	19	20	6.0	11	50	67	167	106	68	180
24	65	20	20	20	7.0	11	60	68	151	103	66	170
25	65	22	20	20	7.0	11	70	70	135	98	64	160
26	58	22	20	19	8.0	12	66	73	131	96	64	150
27	53	24	19	19	10	12	70	76	135	93	64	140
28	49	24	19	18	15	13	75	82	146	91	62	140
29	55	26	18	17	---	13	66	88	175	92	62	130
30	52	26	18	16	---	14	70	98	211	107	60	120
31	48	---	17	15	---	14	---	95	---	96	70	---
TOTAL	1782	933	608	509	198.0	372	1151	2636	3945	4209	2588	4035
MEAN	57.5	31.1	19.6	16.4	7.07	12.0	38.4	85.0	132	136	83.5	135
MAX	84	60	26	20	15	15	75	123	211	187	115	260
MIN	43	16	16	13	5.0	11	14	62	104	91	60	53
CFSM	.82	.45	.28	.24	.10	.17	.55	1.22	1.89	1.95	1.20	1.94
IN.	.95	.50	.32	.27	.11	.20	.61	1.41	2.11	2.25	1.38	2.15
AC-FT	3530	1850	1210	1010	393	738	2280	5230	7820	8350	5130	8000

CAL YR 1974 TOTAL 15537.0 MEAN 42.6 MAX 139 MIN 4.0 CFSM .61 IN 8.29 AC-FT 30820
WTR YR 1975 TOTAL 22966.0 MEAN 62.9 MAX 260 MIN 5.0 CFSM .90 IN 12.26 AC-FT 45550

NOTE.--No gage-height record Nov. 5 to Apr. 16 and Sept. 11-30.

15275000 Chester Creek at Anchorage

LOCATION.--Lat 61°11'59", long 149°50'07", in SW¼ sec.21, T.13 N., R.3 W., Municipality of Anchorage, on right bank 10 ft (3 m) upstream from culverts on Lake Otis Road, 2.3 mi (3.7 km) southeast of Anchorage Post Office, and 3.2 mi (5.1 km) upstream from mouth.

DRAINAGE AREA.--20.0 mi² (51.8 km²).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder and culvert control. Datum of gage is 88.8 ft (27.07 m) above mean sea level. Prior to June 25, 1968, nonrecording gage, and June 25, 1968 to June 8, 1971, nonrecording gage and crest-stage gage.

AVERAGE DISCHARGE.--17 years, 18.7 ft³/s (0.530 m³/s), 12.70 in/yr (323 mm/yr), 13,550 acre-ft/yr (16.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 80 ft³/s (2.27 m³/s) Sept. 11, gage height, 2.17 ft (0.661 m); minimum daily, about 2.5 ft³/s (0.071 m³/s) Feb. 11-14.

Period of record: Maximum discharge, 95 ft³/s (2.69 m³/s) Apr. 29, 1963, gage height, 2.40 ft (0.732 m) from graph based on gage readings; maximum gage height observed, 3.8 ft (1.16 m) Nov. 29, 1961, backwater from ice; minimum daily discharge, 1.0 ft³/s (0.028 m³/s) Mar. 4-7, 1971.

REMARKS.--Records fair except those for Nov. 10 to Apr. 7, which are poor.

REVISIONS.--WSP 1936: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	16	9.0	5.0	6.0	8.0	7.0	32	18	31	22	24
2	12	15	9.0	4.5	6.0	8.0	8.0	39	19	32	18	24
3	12	17	8.0	4.0	5.0	8.0	9.0	38	19	29	19	22
4	12	15	8.0	4.0	5.0	8.0	7.0	34	21	19	17	22
5	16	14	7.0	4.0	4.5	7.5	7.0	31	21	18	25	21
6	16	13	7.0	4.5	4.0	7.5	8.0	32	20	18	19	23
7	22	13	7.0	4.5	3.5	7.0	8.0	31	20	24	20	22
8	15	13	8.0	5.0	3.5	7.0	8.6	28	18	29	22	24
9	14	12	7.0	5.0	3.0	7.0	10	29	18	29	22	34
10	13	12	6.0	5.0	3.0	6.5	10	30	18	29	20	37
11	13	12	7.0	6.0	2.5	6.0	17	33	18	24	18	64
12	13	12	6.0	6.0	2.5	6.0	17	33	18	35	18	51
13	13	12	6.0	7.0	2.5	6.0	14	30	18	34	21	39
14	19	12	6.0	8.0	2.5	6.0	16	29	18	30	20	36
15	16	12	6.0	8.0	3.0	5.5	26	27	17	28	21	38
16	14	12	5.0	8.0	3.0	5.5	34	26	17	26	20	36
17	14	11	4.5	8.0	3.5	6.0	33	24	18	24	19	41
18	16	11	4.5	9.0	4.5	6.0	20	23	17	24	19	46
19	16	10	5.0	9.0	5.0	6.0	19	22	19	26	19	38
20	15	9.0	4.5	9.0	6.0	6.0	18	22	21	26	20	38
21	14	10	5.0	9.0	6.5	6.0	20	21	20	24	19	38
22	14	11	6.0	10	7.0	6.0	22	21	21	23	19	46
23	16	11	8.0	10	7.0	6.0	24	19	21	23	20	40
24	18	11	7.0	10	8.0	6.0	26	19	20	22	21	37
25	16	10	6.0	10	8.0	6.0	30	19	19	22	21	38
26	15	10	5.0	10	8.0	6.0	26	18	18	22	21	35
27	15	9.0	5.0	10	8.0	6.5	26	18	19	21	20	33
28	14	9.0	5.0	9.0	8.0	6.5	29	18	18	20	19	32
29	13	9.0	5.0	9.0	---	7.0	29	18	19	21	19	32
30	14	9.0	6.0	8.0	---	7.0	30	18	24	23	20	31
31	14	---	6.0	7.0	---	8.0	---	18	---	22	22	---
TOTAL	456	352.0	194.5	225.5	139.0	204.5	558.6	800	572	778	620	1042
MEAN	14.7	11.7	6.27	7.27	4.96	6.60	18.6	25.8	19.1	25.1	20.0	34.7
MAX	22	17	9.0	10	8.0	8.0	34	39	24	35	25	64
MIN	12	9.0	4.5	4.0	2.5	5.5	7.0	18	17	18	17	21
CFSM	.74	.59	.31	.36	.25	.33	.93	1.29	.96	1.26	1.00	1.74
IN.	.85	.65	.36	.42	.26	.38	1.04	1.49	1.06	1.45	1.15	1.94
AC-FT	904	698	386	447	276	406	1110	1590	1130	1540	1230	2070

CAL YR 1974 TOTAL 3898.7 MEAN 10.7 MAX 22 MIN 4.0 CFSM .54 IN 7.25 AC-FT 7730
WTR YR 1975 TOTAL 5942.1 MEAN 16.3 MAX 64 MIN 2.5 CFSM .82 IN 11.05 AC-FT 11790

NOTE.--No gage-height record Nov. 10 to Mar. 27.

15275100 Chester Creek at Arctic Boulevard at Anchorage

LOCATION.--Lat 61°12'19", long 149°53'43", on line between sec.19, R.3 W., and sec.24, R.4 W., T.13 N., Municipality of Anchorage, on upstream right bank wingwall of bridge on Arctic Boulevard at Anchorage.

DRAINAGE AREA.--27.2 mi^2 (70.4 km^2).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder and culvert control. Datum of gage is 16.02 ft (4.883 m) above mean sea level (from USC&GS, datum of 1968).

AVERAGE DISCHARGE.--9 years, 16.8 ft^3/s (0.476 m^3/s), 8.39 in/yr (213 mm/yr), 12,170 acre-ft/yr (15.0 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 175 ft^3/s (4.96 m^3/s) Sept. 11, gage height, 4.37 ft (1.332 m); minimum daily, about 1.6 ft^3/s (0.045 m^3/s) Feb. 12-14.
Period of record: Maximum discharge, 175 ft^3/s (4.96 m^3/s) Sept. 11, 1975, gage height, 4.37 ft (1.332 m); minimum daily, about 1.6 ft^3/s (0.045 m^3/s) Feb. 12-14, 1975.

REMARKS.--Records fair except those for Nov. 10 to Apr. 1, which are poor. Records of chemical analyses for the current year are published in Section 2 of this report.

REVISIONS.--WRD Alaska 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	19	11	6.5	7.5	9.5	9.5	35	21	31	28	25
2	15	20	11	5.5	7.0	9.5	9.8	38	23	32	23	25
3	15	23	10	5.0	6.5	9.0	11	39	22	31	23	24
4	15	19	9.5	5.0	6.0	9.0	8.6	35	24	22	22	24
5	23	17	9.0	5.0	5.5	8.5	9.0	33	24	21	39	24
6	22	16	8.5	5.5	5.0	8.5	12	32	25	19	25	26
7	28	16	8.5	5.5	4.5	8.5	16	32	24	26	26	24
8	20	16	9.0	5.5	4.0	8.0	12	28	22	32	30	32
9	19	15	8.5	6.0	3.0	8.0	15	29	22	30	28	40
10	19	15	7.5	6.0	2.0	8.0	13	32	22	29	26	50
11	18	15	8.0	6.5	1.8	7.5	22	34	21	28	24	110
12	17	15	7.5	7.5	1.6	7.0	23	35	21	46	23	64
13	18	15	7.0	8.0	1.6	7.0	19	31	21	43	26	44
14	30	15	7.5	9.0	1.6	7.0	24	29	21	35	25	41
15	20	15	7.0	9.5	2.0	6.5	38	28	21	32	26	45
16	19	14	6.5	10	3.0	6.5	52	27	22	30	24	42
17	20	14	6.0	10	4.0	6.5	50	24	22	31	24	55
18	21	13	5.5	10	5.0	6.5	25	23	22	32	25	56
19	21	12	6.0	11	5.5	6.5	22	21	23	34	24	42
20	19	12	5.5	11	6.5	6.5	22	21	26	30	26	41
21	18	12	6.0	11	7.0	6.5	24	21	24	28	26	42
22	18	13	7.0	11	7.5	7.0	26	21	26	26	24	54
23	22	13	10	11	8.0	7.0	30	21	25	26	26	41
24	22	13	9.0	11	8.5	7.5	32	21	24	26	26	38
25	19	12	8.0	11	9.0	7.5	37	21	24	25	26	41
26	19	12	6.5	11	9.0	8.0	32	21	22	24	22	35
27	18	11	6.0	11	9.0	8.0	31	21	22	25	22	33
28	17	11	6.0	10	9.5	8.0	35	21	21	24	22	32
29	16	12	6.5	9.5	---	8.5	33	21	21	24	22	32
30	17	12	7.0	9.0	---	9.5	33	21	26	30	24	30
31	17	---	7.5	8.5	---	10	---	21	---	28	26	---
TOTAL	597	437	238.5	262.0	151.1	241.5	725.9	837	684	900	783	1220
MEAN	19.3	14.6	7.69	8.45	5.40	7.79	24.2	27.0	22.8	29.0	25.3	40.7
MAX	30	23	11	11	9.5	10	52	39	26	46	39	110
MIN	15	11	5.5	5.0	1.6	6.5	8.6	21	21	19	22	24
CFSM	.71	.54	.28	.31	.20	.29	.89	.99	.84	1.07	.93	1.50
IN.	.82	.60	.33	.36	.21	.33	.99	1.14	.94	1.23	1.07	1.67
AC-FT	1180	867	473	520	300	479	1440	1660	1360	1790	1550	2420

CAL YR 1974 TOTAL 4847.5 MEAN 13.3 MAX 33 MIN 5.5 CFSM .49 IN 6.63 AC-FT 9620
WTR YR 1975 TOTAL 7077.0 MEAN 19.4 MAX 110 MIN 1.6 CFSM .71 IN 9.68 AC-FT 14040

NOTE.--No gage-height record Nov. 10 to Apr. 1.

15276000 Ship Creek near Anchorage

LOCATION.--Lat 61°13'25", long 149°37'55", in NE¼ sec.16, T.13 N., R.2 W., Municipality of Anchorage, in Fort Richardson Military Reservation, at diversion dam and Fort Richardson water-supply intake building, 3.5 mi (5.6 km) upstream from North Fork Ship Creek, and 8.5 mi (13.7 km) east of Anchorage.

DRAINAGE AREA.--90.5 mi^2 (234.4 km^2).

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder and masonry dam. Datum of gage is 530 ft (161.5 m) above mean sea level (levels by Corps of Engineers). Oct. 1, 1946 to Apr. 30, 1947, nonrecording gage and May 1, 1947 to Apr. 19, 1954, water-stage recorder, at site 0.2 mi (0.3 km) downstream at different datum. June 18, 1953 to Sept. 30, 1954, supplemental water-stage recorder at site 2.7 mi (4.3 km) downstream at different datum.

AVERAGE DISCHARGE.--29 years, 158 ft^3/s (4.47 m^3/s), 23.71 in/yr (602 mm/yr), 114,500 acre-ft/yr (141 hm^3/yr), adjusted to include diversion.

EXTREMES.--Current year: Maximum discharge, 650 ft^3/s (18.4 m^3/s) June 30, gage height, 2.81 ft (0.856 m); maximum gage height, 5.03 ft (1.533 m) Nov. 20, backwater from ice; minimum daily discharge, about 7.0 ft^3/s (0.20 m^3/s) Mar. 17 to Apr. 5.

Period of record: Maximum discharge, 1,860 ft^3/s (52.7 m^3/s) June 21, 1949, gage height, 3.44 ft (1.049 m), site and datum then in use; no flow at times.

REMARKS.--Records fair except those for Nov. 11 to Apr. 22, which are poor. Discharge data represent net flow remaining after diversion for water supply to Fort Richardson, Elmendorf Air Force Base, and Municipality of Anchorage. Average diversion for the water year 1975, 21.1 ft^3/s (0.60 m^3/s). Diversion began in 1944.

COOPERATION.--Gage inspected and records of diversion furnished by Office of Post Engineers, Fort Richardson.

REVISIONS.--WSP 1936: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	70	55	28	26	14	7.0	20	302	516	185	100
2	56	70	50	30	26	14	7.0	29	353	448	185	94
3	56	84	45	30	24	12	7.0	36	371	438	180	90
4	71	71	40	28	24	12	7.0	32	386	434	178	89
5	92	62	40	26	24	10	7.0	34	350	414	209	94
6	98	67	45	26	24	10	8.0	37	347	420	196	120
7	100	64	45	26	24	10	8.0	43	338	462	183	109
8	89	62	50	26	24	10	8.0	56	344	504	176	113
9	78	64	45	28	24	10	9.0	58	329	532	176	114
10	77	55	40	30	22	10	9.0	89	323	500	164	138
11	74	50	40	30	22	9.0	9.0	127	310	480	156	333
12	70	60	40	30	20	9.0	10	109	304	496	156	326
13	71	50	35	30	20	9.0	10	102	304	431	156	276
14	90	62	40	30	20	8.0	10	172	315	359	160	249
15	84	52	35	30	18	8.0	11	189	353	315	158	239
16	76	46	30	28	18	8.0	11	196	414	289	156	220
17	74	40	30	28	18	7.0	10	168	438	258	152	268
18	74	35	30	28	18	7.0	9.0	162	424	249	146	317
19	74	30	35	28	18	7.0	9.0	166	456	263	136	297
20	65	80	40	28	18	7.0	9.0	164	456	258	131	276
21	67	55	35	28	18	7.0	10	152	442	246	122	258
22	71	50	35	28	18	7.0	10	150	448	232	116	271
23	78	45	40	28	18	7.0	11	146	431	225	114	244
24	97	45	40	28	16	7.0	12	162	386	213	113	232
25	98	45	40	28	16	7.0	13	170	359	202	111	227
26	86	50	40	30	16	7.0	13	191	359	200	109	220
27	81	45	35	30	16	7.0	12	200	383	194	111	205
28	76	50	35	30	16	7.0	13	205	448	191	105	196
29	70	55	30	30	---	7.0	14	230	580	191	102	187
30	76	55	28	28	---	7.0	15	251	604	196	100	174
31	71	---	28	28	---	7.0	---	263	---	187	105	---
TOTAL	2409	1669	1196	884	566	268.0	298.0	4109	11657	10343	4549	6076
MEAN	77.7	55.6	38.6	28.5	20.2	8.65	9.93	133	389	334	147	203
MAX	100	84	55	30	26	14	15	263	604	532	209	333
MIN	56	30	28	26	16	7.0	7.0	20	302	187	100	89
AC-FT	4780	3310	2370	1750	1120	532	591	8150	23120	20520	9020	12050

CAL YR 1974 TOTAL 32117.0 MEAN 88.0 MAX 450 MIN 3.0 AC-FT 63700
WTR YR 1975 TOTAL 44024.0 MEAN 121 MAX 604 MIN 7.0 AC-FT 87320

ADJUSTED TO INCLUDE DIVERSION

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	101	76.7	59.6	50.9	41.2	30.0	29.8	153	411	356	167	220
CFSM	1.12	.85	.66	.56	.46	.33	.33	1.69	4.54	3.93	1.85	2.43
IN.	1.29	.95	.76	.65	.47	.38	.37	1.95	5.06	4.54	2.13	2.71
AC-FT	6,240	4,560	3,670	3,130	2,290	1,840	1,770	9,420	24,430	21,910	10,270	13,070

CAL YR 1974 MEAN 110 CFSM 1.22 IN 16.55 AC-FT 79,880
WTR YR 1975 MEAN 142 CFSM 1.5[illegible] IN 21.26 AC-FT 102,600

15276570 Ship Creek below Power Plant at Elmendorf Air Force Base

LOCATION.--Lat 61°13'29", long 149°50'39", in SE¼ sec.8, T.13 N., R.3 W., Municipality of Anchorage, on left bank 0.5 mi (0.8 km) downstream from southwest corner of Elmendorf Air Force Base, 500 ft (152 m) downstream from North Sitka Street, and 2.0 mi (3.2 km) upstream from mouth.

DRAINAGE AREA.--115 mi² (298 km²).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft (24 m) from topographic map. Prior to Aug. 7, 1972, at site 0.5 mi (0.8 km) upstream at different datum.

AVERAGE DISCHARGE.--5 years, 122 ft³/s (3.455 m³/s), 88,390 acre-ft/yr (109 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 626 ft³/s (17.7 m³/s) June 29, gage height, 3.99 ft (1.216 m); minimum 13 ft³/s (0.37 m³/s) Apr. 8, gage height, 1.64 ft (0.500 m).
Period of record: Maximum discharge, 1,600 ft³/s (45.3 m³/s) Aug. 9, 1971 (estimated from records at station 15276500); minimum, 5.8 ft³/s (0.16 m³/s) Apr. 14, 1971.

REMARKS.--Records good prior to June 6 and fair thereafter. Diversions above station for water supply to Fort Richardson, Elmendorf Air Force Base, and city of Anchorage (see station 15276000). Water also diverted for cooling of power plant and returned above station. Records of water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	74	60	23	21	19	18	31	304	565	178	92
2	61	76	55	23	21	19	18	43	360	505	178	87
3	56	87	49	22	21	20	18	50	398	505	175	81
4	73	81	41	21	21	19	17	42	425	500	172	79
5	94	64	45	19	21	19	17	44	376	475	205	82
6	103	67	47	19	21	19	18	43	384	480	199	125
7	111	67	47	20	20	19	20	44	352	530	186	103
8	94	65	52	20	21	19	17	40	372	570	181	100
9	85	60	47	20	21	19	19	45	364	585	187	98
10	82	50	39	21	21	19	19	60	352	560	172	105
11	79	60	44	23	20	19	21	107	328	525	160	305
12	76	70	43	22	20	19	21	121	320	530	148	328
13	77	58	35	22	20	19	21	111	312	466	152	268
14	96	71	40	22	20	19	22	150	316	384	145	235
15	92	65	39	23	20	19	23	184	352	348	142	223
16	82	50	31	22	20	19	28	205	416	312	138	199
17	79	35	29	22	20	19	29	190	443	282	130	250
18	81	28	28	22	21	19	26	178	389	265	125	316
19	81	22	33	23	21	19	26	187	416	286	115	312
20	73	70	38	24	20	19	25	172	434	286	109	300
21	73	58	37	24	21	18	25	158	430	265	105	276
22	76	56	35	23	20	18	26	150	443	247	103	304
23	77	51	36	23	20	18	26	145	434	232	101	268
24	101	47	40	24	20	19	27	160	384	220	100	250
25	103	50	39	23	20	18	28	165	360	205	96	247
26	92	51	35	24	20	18	28	190	356	199	92	241
27	85	46	28	25	20	18	29	202	376	190	96	226
28	82	53	23	24	19	18	31	208	438	184	87	214
29	76	60	22	23	---	17	28	229	555	184	86	199
30	81	57	23	22	---	18	28	250	590	202	82	198
31	77	---	22	22	---	20	---	262	---	184	87	---
TOTAL	2577	1749	1182	690	571	581	697	4166	11779	11271	4228	6103
MEAN	83.1	58.3	38.1	22.3	20.4	18.7	23.2	134	393	364	136	203
MAX	111	87	60	25	21	20	31	262	590	585	205	328
MIN	56	22	22	19	19	17	17	31	304	184	82	79
AC-FT	5110	3470	2340	1370	1130	1150	1380	8260	23360	22360	8390	12110

CAL YR 1974 TOTAL 34028 MEAN 93.2 MAX 461 MIN 20 AC-FT 67490
WTR YR 1975 TOTAL 45594 MEAN 125 MAX 590 MIN 17 AC-FT 90440

15276650 Ditch on Elmendorf Air Force Base

LOCATION.--Lat 61°14'25", long 149°51'30", in SW¼ sec.5, T.13 N., R.3 W., Municipality of Anchorage, on right bank 100 ft (30 m) downstream from Acacia Drive on Elmendorf Air Force Base, and 0.9 mi (1.4 km) upstream from mouth.

DRAINAGE AREA.--3.73 mi² (9.66 km²).

PERIOD OF RECORD.--April 1973 to July 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (40 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 195 ft³/s (5.52 m³/s) Apr. 28, gage height, 4.3 ft (1.31 m), from floodmarks, from rating curve extended above 33 ft³/s (0.93 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 0.37 (0.010 m³/s) Feb. 13-16.

Period of record: Maximum discharge, 195 ft³/s (5.52 m³/s) Apr. 28, 1975, gage height, 4.3 ft (1.31 m), from floodmarks, from rating extended above 33 ft³/s (0.93 m³/s) on basis of slope-area measurement of peak flow; minimum, 0.27 ft³/s (0.008 m³/s) Apr. 15, 1974.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.68	4.3	1.0	.70	.84	.84	.67	10	3.0	1.7		
2	.73	1.0	1.0	.75	.77	.72	.72	6.8	3.2	1.6		
3	.79	2.6	1.0	.70	.84	.57	.77	4.8	2.6	1.6		
4	.79	1.1	1.0	.70	.67	.57	.62	2.0	3.0	1.6		
5	4.2	.98	.95	.70	.60	.67	.67	2.0	2.6	1.5		
6	2.2	.98	.95	.70	.55	.62	1.3	2.0	2.4	1.6		
7	5.1	.98	.95	.70	.50	.57	1.8	2.0	2.2	1.8		
8	.98	.98	.95	.70	.45	.57	.91	2.0	2.2	1.9		
9	.98	.98	.95	.77	.45	.57	2.0	2.0	2.2	1.9		
10	.98	.98	.90	.72	.40	.57	1.5	2.8	2.2	2.0		
11	1.0	.98	.90	.72	.40	.57	5.8	2.0	2.4	2.0		
12	.98	1.7	.90	.72	.40	.67	3.2	2.6	2.4	5.6		
13	.98	.98	.90	.72	.37	.67	2.6	2.8	2.4	3.7		
14	5.0	1.0	.90	.72	.37	.67	5.0	3.0	2.2	1.6		
15	1.0	1.3	.85	.72	.37	.67	9.0	2.8	2.2	1.4		
16	1.0	1.7	.85	.77	.37	.72	15	2.8	2.2	1.3		
17	1.3	1.7	.85	.84	.40	.72	11	2.8	2.2	1.4		
18	2.4	1.7	.85	.84	.45	.72	3.9	3.0	2.0	1.4		
19	2.0	1.5	.85	.84	.50	.72	2.4	3.0	2.0	4.9		
20	1.1	.98	.80	.84	.60	.72	2.2	3.0	1.9	1.5		
21	.98	.91	.80	.84	.70	.72	2.4	3.2	1.2	1.4		
22	.98	1.0	.80	.84	.72	.72	3.4	3.0	2.6	---		
23	3.2	.98	.80	.84	.67	.72	6.5	3.2	1.2	---		
24	1.3	.98	.80	.91	.72	.67	15	3.2	1.2	---		
25	1.1	.91	.75	.91	.91	.72	43	3.2	1.4	---		
26	1.0	1.0	.75	.91	.84	.67	39	3.0	1.5	---		
27	1.0	1.0	.75	.91	.91	1.3	48	3.0	1.5	---		
28	.98	1.0	.75	.98	.84	1.3	95	3.0	1.4	---		
29	.98	1.0	.75	.91	---	.84	50	2.8	1.5	---		
30	.98	1.0	.75	.84	---	.77	20	2.8	1.4	---		
31	1.2	---	.70	.84	---	.72	---	2.8	---	---		
TOTAL	47.89	38.20	26.70	24.55	16.61	22.27	393.36	97.4	62.4			
MEAN	1.54	1.27	.86	.79	.59	.72	13.1	3.14	2.08			
MAX	5.1	4.3	1.0	.98	.91	1.3	95	10	3.2			
MIN	.68	.91	.70	.70	.37	.57	.62	2.0	1.2			
CFSM	.41	.34	.23	.21	.16	.19	3.51	.84	.56			
IN.	.48	.38	.27	.24	.17	.22	3.92	.97	.62			
AC-FT	95	76	53	49	33	44	780	193	124			

CAL YR 1974 TOTAL 452.78 MEAN 1.24 MAX 9.7 MIN .29 CFSM .33 IN 4.51 AC-FT 898

NOTE.--No gage-height record Nov. 30 to Jan. 8.

15277100 Eagle River at Eagle River

LOCATION.--Lat 61°18'28", long 149°33'32", in NW¼ sec.13, T.14 N., R.2 W., Municipality of Anchorage, on right bank, 800 ft (200 m) upstream from Eagle River campground, 0.6 mi (1.0 km) upstream from Glenn Highway crossing, and 1.0 mi (1.6 km) south of Eagle River.

DRAINAGE AREA.--192 mi^2 (497 km^2), approximately.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 250 ft (76 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 498 ft^3/s (14.10 m^3/s), 35.22 in/yr (895 mm/yr), 360,800 acre-ft/yr (445 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,710 ft^3/s (76.7 m^3/s) July 11, gage height, 7.28 ft (2.219 m); minimum daily, about 44 ft^3/s (1.25 m^3/s) Feb. 8 to Mar. 26.
Period of record: Maximum discharge, 6,240 ft^3/s (177 m^3/s) Sept. 18, 1967, gage height, 9.49 ft (2.893 m); minimum daily, 24 ft^3/s (0.68 m^3/s) Jan. 29 to Feb. 5, 1974.

REMARKS.--Records good except those for Nov. 6 to May 7, which are poor. Summer flows augmented by glaciers that cover 13 percent of the basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	182	120	50	46	44	50	150	462	1610	1190	600
2	298	171	120	48	46	44	50	160	550	1400	1240	575
3	282	200	120	48	46	44	50	180	580	1440	1310	555
4	290	192	120	46	46	44	50	160	610	1570	1410	555
5	286	151	110	46	46	44	50	150	575	1520	1460	560
6	296	140	110	46	46	44	50	140	575	1520	1450	676
7	311	130	110	46	46	44	50	140	550	1750	1290	555
8	297	130	100	46	44	44	50	137	575	1950	1330	466
9	261	120	100	46	44	44	50	139	545	2200	1240	422
10	244	120	95	46	44	44	55	161	540	2460	1200	422
11	229	120	90	46	44	44	55	434	515	2530	1280	1050
12	216	120	85	46	44	44	55	742	520	2590	1430	1690
13	210	110	80	48	44	44	60	555	500	2260	1820	1120
14	224	110	80	48	44	44	60	470	520	1980	2170	832
15	218	110	75	48	44	44	60	438	580	1870	2310	832
16	202	110	70	48	44	44	65	430	694	1580	2140	730
17	198	110	70	50	44	44	65	414	844	1470	1780	796
18	192	100	65	50	44	44	70	366	790	1530	1690	1310
19	185	100	65	50	44	44	75	346	864	1700	1390	1140
20	175	100	65	50	44	44	80	340	927	1680	1220	906
21	169	100	65	50	44	44	85	318	826	1560	1120	770
22	171	100	65	50	44	44	90	306	850	1360	1060	784
23	175	100	65	50	44	44	95	291	878	1370	997	778
24	264	100	65	50	44	44	100	297	802	1350	983	688
25	252	100	65	50	44	44	110	306	736	1320	913	724
26	225	110	60	50	44	44	120	322	760	1210	878	808
27	205	110	60	48	44	46	130	329	885	1200	1080	730
28	190	110	60	48	44	46	140	336	1100	1330	1000	585
29	163	120	55	48	---	46	140	354	1420	1330	790	535
30	208	120	55	48	---	48	150	382	1810	1340	736	480
31	192	---	50	48	---	48	---	410	---	1220	625	---
TOTAL	7172	3696	2515	1492	1246	1378	2310	9711	22383	51200	40532	22682
MEAN	231	123	81.1	48.1	44.5	44.5	77.0	313	746	1652	1307	756
MAX	344	200	120	50	46	48	150	742	1810	2590	2310	1690
MIN	163	100	50	46	44	44	50	137	462	1200	625	422
CFSM	1.20	.64	.42	.25	.23	.23	.40	1.63	3.89	8.60	6.81	3.94
IN.	1.39	.72	.49	.29	.24	.27	.45	1.88	4.34	9.92	7.85	4.39
AC-FT	14230	7330	4990	2960	2470	2730	4580	19260	44400	101600	80400	44990

CAL YR 1974 TOTAL 180966 MEAN 496 MAX 2810 MIN 24 CFSM 2.58 IN 35.06 AC-FT 358900
WTR YR 1975 TOTAL 166317 MEAN 456 MAX 2590 MIN 44 CFSM 2.38 IN 32.22 AC-FT 329900

PEAK DISCHARGE (BASE, 2,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
07-11	0600	7.28	2,710	08-16	0430	7.06	2,400

NOTE.--No gage-height record Dec. 29 to Apr. 22.

15277410 Peters Creek near Birchwood

LOCATION.--Lat 61°25'08", long 149°29'20", in NW¼SE¼ sec.5, T.15 N., R.1 W., Anchorage Borough, on left bank upstream from Alaska Railroad bridge, 0.5 mi (0.8 km) downstream from unnamed tributary, 0.8 mi (1.3 km) upstream from mouth, and 1.0 mi (1.6 km) north of Birchwood.

DRAINAGE AREA.--87.8 mi² (227.4 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (22.9 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 564 ft³/s (16.0 m³/s) June 30, gage height, 5.75 ft (1.753 m); maximum gage height, 6.37 ft (1.942 m) Dec. 30, backwater from ice; minimum daily discharge, 18 ft³/s (0.51 m³/s) Jan. 5, 6.

Period of record: Maximum discharge, 564 ft³/s (16.0 m³/s) June 30, 1975, gage height, 5.75 ft (1.753 m); maximum gage height, 6.37 ft (1.942 m) Dec. 30, 1974, backwater from ice; minimum daily discharge, 18 ft³/s (0.51 m³/s) Jan. 5,6, 1975.

RECORDS.--Records fair except those for Nov. 16 to Jan. 20, Jan. 30 to Mar. 31, and Aug. 9 to Sept. 8, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	55	40	30	25	27	23	28	109	398	246	120
2	83	55	40	25	25	25	22	34	129	348	264	100
3	78	56	35	20	25	25	22	32	137	387	246	100
4	83	48	35	20	20	25	22	30	149	390	240	100
5	86	43	40	18	20	25	24	31	153	362	240	100
6	84	50	40	18	20	25	24	31	153	352	237	120
7	83	50	40	20	25	25	24	31	163	390	237	120
8	79	53	40	20	25	25	23	30	173	398	231	120
9	75	53	40	25	25	25	22	34	173	426	200	123
10	73	36	40	25	25	30	23	52	170	448	200	129
11	71	38	40	30	20	30	23	87	161	426	200	285
12	70	58	40	35	20	30	23	89	159	440	200	331
13	70	46	35	40	20	30	23	77	157	448	200	258
14	71	52	35	40	20	30	23	70	157	390	200	206
15	70	47	35	45	25	30	24	74	165	348	200	186
16	68	25	35	50	25	30	24	75	190	342	180	161
17	66	25	35	50	30	25	25	70	228	331	180	183
18	65	25	35	55	35	25	23	70	213	320	180	255
19	65	25	30	45	30	25	22	74	228	362	160	240
20	58	25	30	40	30	20	22	77	237	394	160	210
21	64	30	30	41	30	20	22	75	222	383	160	190
22	62	35	35	32	30	20	22	74	264	348	140	190
23	62	35	35	32	27	20	22	71	285	331	140	178
24	64	35	35	32	28	20	23	75	267	300	140	161
25	61	35	30	32	28	25	22	77	246	285	120	165
26	59	40	30	33	26	25	23	78	273	264	120	161
27	59	40	30	32	27	25	23	79	300	246	120	153
28	55	40	25	31	27	25	23	82	398	237	120	147
29	56	50	20	30	---	25	24	84	466	237	120	143
30	59	45	25	25	---	25	25	91	504	249	120	131
31	56	---	30	25	---	23	---	101	---	246	120	---
TOTAL	2147	1250	1065	996	713	785	690	1983	6629	10834	5621	5066
MEAN	69.3	41.7	34.4	32.1	25.5	25.3	23.0	64.0	221	349	181	169
MAX	92	58	40	55	35	30	25	101	504	448	264	331
MIN	55	25	20	18	20	20	22	28	109	237	120	100
CFSM	.79	.47	.39	.37	.29	.29	.26	.73	2.52	3.97	2.06	1.92
IN.	.91	.53	.45	.42	.30	.33	.29	.84	2.81	4.59	2.38	2.15
AC-FT	4260	2480	2110	1980	1410	1560	1370	3930	13150	21490	11150	10050

CAL YR 1974 TOTAL 32849 MEAN 90.0 MAX 285 MIN 20 CFSM 1.03 IN 13.92 AC-FT 65160
WTR YR 1975 TOTAL 37779 MEAN 104 MAX 504 MIN 18 CFSM 1.18 IN 16.01 AC-FT 74930

NOTE.--No gage-height record Mar. 3 to Apr. 2 and Aug. 9 to Sept. 8.

15281000 Knik River near Palmer

LOCATION.--Lat 61°30'20", long 149°01'11", in NE¼SW¼ sec.1, T.16 N., R.2 E., Matanuska-Susitna Borough, on left bank 0.4 mi (0.6 km) upstream from bridge on old Glenn Highway, and 7 mi (11 km) south of Palmer.

DRAINAGE AREA.--1,180 mi² (3,060 km²), approximately.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Nonrecording gage read twice daily and crest-stage gage. Altitude of gage is 50 ft (15 m) from topographic map. Prior to June 27, 1960, nonrecording gage, and June 27, 1960 to Apr. 25, 1974, water-stage recorder at bridge 0.4 mi (0.6 km) downstream at different datum.

AVERAGE DISCHARGE.--16 years, 6,781 ft³/s (192.0 m³/s), 78.05 in/yr (1,98[illegible] mm/yr), [illegible],913,000 acre-ft/yr (6.06 km³/yr).

EXTREMES.--Current year: Maximum discharge, 31,000 ft³/s (878 m³/s) Aug. 31, gage height, 9.77 ft (2.978 m); minimum daily, about 350 ft³/s (9.9 m³/s) Jan. 5.

Period of record: Maximum discharge, 355,000 ft³/s (10,100 m³/s) July 26, 1961, gage height, 24.3 ft (7.41 m), site and datum then in use, caused by release of stored water (Lake George) behind Knik Glacier; maximum gage height, 24.35 ft (7.422 m), site and datum then in use, July 17, 1960; minimum daily discharge, about 260 ft³/s (7.4 m³/s), Mar. 1-31, 1962.

Maximum stage known, 25.30 ft (7.711 m), site and datum then in use, July 18, 1958, discharge, 359,000 ft³/s (10,200 m³/s).

REMARKS.--Records fair except those for Nov. 16 to Apr. 30, which are poor. Flood peaks due to outbreak of Lake George, 1948-62, 1964, 1965, published in WSP 1936. Streamflow augmented by glaciers, which cover 54 percent of the basin. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	2600	900	600	450	400	500	550	8480	17800	17400	10300
2	3260	3050	800	500	450	400	500	1030	9060	17600	17900	10700
3	2840	4930	700	500	400	400	450	1410	8880	19500	18500	10500
4	2630	4690	700	400	400	500	450	1370	9330	20400	19900	10300
5	2570	3020	700	350	400	500	500	1410	8610	18800	20200	10700
6	2450	2510	800	400	450	500	500	1270	9060	19900	19600	11200
7	2900	2480	800	500	450	500	550	1270	9060	21900	18300	11000
8	2780	1850	800	500	500	500	550	1170	10600	22300	18900	13100
9	2200	1390	800	400	500	500	550	1330	11300	24900	17700	14200
10	2100	1190	700	400	500	500	550	1780	11400	26700	17400	14500
11	1900	1500	700	500	450	500	600	3890	11000	28300	18400	13500
12	2100	1550	700	600	400	500	600	5850	11000	28400	20000	13200
13	1700	1450	700	600	400	500	550	5170	9510	27300	22000	13400
14	2050	1250	700	500	450	500	550	4280	9820	25200	24700	13800
15	2400	500	700	600	450	500	600	4000	10900	23800	29500	13200
16	2050	400	700	700	450	450	600	4450	11000	20400	33100	12500
17	2280	400	600	700	500	450	550	4380	15000	20000	31300	11600
18	2120	400	600	800	500	400	550	4860	15000	20800	28100	14200
19	2000	500	600	800	450	400	500	4850	15000	22400	24400	14800
20	1370	500	600	700	450	400	500	4050	15000	22100	21200	14700
21	1250	600	700	700	500	400	500	3920	15000	20900	19600	14800
22	1550	700	700	700	500	400	500	4850	14900	19100	18800	11600
23	1800	700	800	700	600	450	550	4280	15000	19600	17300	9330
24	4650	700	800	700	600	450	550	4570	14900	19000	16500	8430
25	5850	700	800	700	600	500	500	5250	11500	18800	15500	9330
26	4450	800	700	750	500	500	500	5890	11300	18000	15000	10900
27	3580	800	600	750	500	550	500	6410	9600	17600	15400	10800
28	3470	800	500	700	450	550	500	6630	14100	18400	15900	10200
29	3020	900	450	600	---	500	500	7260	16900	19000	13600	9920
30	2990	900	450	600	---	500	500	7300	19000	18400	13000	9560
31	2840	---	500	500	---	500	---	7840	---	17700	11400	---
TOTAL	83250	43760	21300	18450	13250	14600	15800	122570	361210	655000	610500	356270
MEAN	2685	1459	687	595	473	471	527	3954	12040	21130	19690	11880
MAX	5850	4930	900	800	600	550	600	7840	19000	28400	33100	14800
MIN	1250	400	450	350	400	400	450	550	8480	17600	11400	8430
CFSM	2.28	1.24	.58	.50	.40	.40	.45	3.35	10.2	17.9	16.7	10.1
IN.	2.62	1.38	.67	.58	.42	.46	.50	3.86	11.39	20.65	19.25	11.23
AC-FT	165100	86800	42250	36600	26280	28960	31340	243100	716500	1299000	1211000	706700

CAL YR 1974 TOTAL 2617410 MEAN 7171 MAX 31200 MIN 400 CFSM 6.08 IN 82.51 AC-FT 5192000
WTR YR 1975 TOTAL 2315960 MEAN 6345 MAX 33100 MIN 350 CFSM 5.38 IN 73.01 AC-FT 4594000

NOTE.--No gage-height record Nov. 16 to Mar. 31.

15282000 Caribou Creek near Sutton

LOCATION.--Lat 61°48'12", long 147°40'57", in SE¼ sec.20, T.20 N., R.10 E., Matanuska-Susitna Borough, on left pier of bridge on Glenn Highway, 1.4 mi (2.3 km) downstream from Dan Creek, 1.8 mi (2.9 km) upstream from mouth, and 40 mi (64 km) east of Sutton.

DRAINAGE AREA.--289 mi² (749 km²).

PERIOD OF RECORD.--May 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,767 ft (538.6 m) above mean sea level.

AVERAGE DISCHARGE.--20 years, 302 ft³/s (8.55 m³/s), 14.19 in/yr (360 mm/yr), 218,800 acre-ft/yr (270 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 8,600 ft³/s (244 m³/s) July 13, gage height, 7.15 ft (2.179 m); minimum daily, about 15 ft³/s (0.42 m³/s) Mar. 22 to Apr. 6.

Period of record: Maximum discharge, 8,720 ft³/s (247 m³/s) June 15, 1973, gage height, 7.18 ft (2.188 m); no flow Mar. 16 to Apr. 10, 1966 and Mar. 10-18, 1971.

REMARKS.--Records fair in May, June, and July, poor for remainder of year. Large diurnal fluctuations at times each year caused by snowmelt.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	50	40	19	20	17	15	30	927	1060	1080	390
2	120	48	40	19	20	17	15	30	1080	1010	1300	340
3	110	48	38	19	19	17	15	30	1100	1140	1200	320
4	95	46	36	18	19	17	15	35	1330	1050	1100	290
5	85	48	34	18	19	17	15	50	983	1010	1150	270
6	90	42	32	18	19	17	15	45	853	1100	1310	390
7	95	42	32	18	19	17	16	35	875	1020	940	430
8	100	48	30	18	19	17	16	30	1310	1000	1200	360
9	110	44	30	18	19	17	17	50	1030	1100	1600	330
10	95	40	30	18	19	16	18	200	774	1200	1100	660
11	85	38	28	18	18	16	19	607	696	1300	1200	1700
12	75	36	28	18	18	16	20	701	642	1530	1100	1300
13	75	38	26	18	18	16	21	629	559	2050	1000	990
14	70	42	26	18	18	16	25	532	974	1650	970	840
15	75	46	26	19	18	16	27	522	1100	1290	900	850
16	75	42	26	20	18	16	28	597	1590	1200	880	730
17	70	38	24	21	18	16	29	499	1760	1010	830	800
18	70	34	24	22	18	16	30	492	1510	1390	760	1200
19	65	34	24	23	18	16	30	511	1450	2370	880	950
20	65	34	22	23	18	16	29	519	1060	3330	770	800
21	60	34	22	24	18	16	29	405	1590	1580	690	670
22	60	36	22	24	18	15	29	384	2000	1160	730	650
23	65	36	22	24	18	15	29	323	1430	1040	630	550
24	60	38	22	24	18	15	29	401	1120	985	570	510
25	60	38	22	23	18	15	29	470	1760	934	520	480
26	60	36	22	23	18	15	28	443	1740	874	520	430
27	55	34	20	23	18	15	28	574	1930	823	570	350
28	55	36	20	22	18	15	28	535	2090	815	520	300
29	55	36	20	21	---	15	28	619	1770	725	460	230
30	50	38	20	21	---	15	28	561	1190	826	400	200
31	48	---	19	20	---	15	---	779	---	1160	370	---
TOTAL	2371	1200	827	632	516	495	700	11718	39203	39532	27450	18390
MEAN	76.5	40.0	26.7	20.4	18.4	16.0	23.3	378	1307	1275	885	613
MAX	120	50	40	24	20	17	30	779	2090	3330	1600	1700
MIN	48	34	19	18	18	15	15	30	559	725	370	200
CFSM	.26	.14	.09	.07	.06	.06	.08	1.31	4.52	4.41	3.06	2.12
IN.	.31	.15	.11	.08	.07	.06	.09	1.51	5.05	5.09	3.53	2.37
AC-FT	4700	2380	1640	1250	1020	982	1390	23240	77760	78410	54450	36480

CAL YR 1974 TOTAL 74765 MEAN 205 MAX 1890 MIN 10 CFSM .71 IN 9.62 AC-FT 148300
WTR YR 1975 TOTAL 143034 MEAN 392 MAX 3330 MIN 15 CFSM 1.36 IN 18.41 AC-FT 283700

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-02	1830	5.15	2,700	07-13	1600	7.15	8,600
06-16	2330	5.60	3,720	07-19	2130	6.27	5,610
06-21	2300	5.82	4,350	08-09	--	--	about 3,000
06-28	2230	5.72	4,150	09-11	--	--	about 2,500

NOTE.--No gage-height record Oct. 3 to Apr. 29 and Aug. 7 to Sept. 30.

15290000 Little Susitna River near Palmer

LOCATION.--Lat 61°42'32", long 149°13'36", in NW¼ sec.26, T.19 N., R.1 E., Matanuska-Susitna Borough, on right bank 40 ft (12 m) downstream from highway bridge on Wasilla-Fishhook Road, 1.5 mi (2.4 km) north of road junction, 1.8 mi (2.9 km) downstream from unnamed tributary, and 8 mi (13 km) northwest of Palmer.

DRAINAGE AREA.--61.9 mi^2 (160.3 km^2).

PERIOD OF RECORD.--July 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 918.6 ft (279.99 m) above mean sea level (river-profile survey). Prior to Aug. 16, 1948, nonrecording gage and Aug. 17, 1948 to May 15, 1972, water-stage recorder on left bank. Prior to Oct. 1, 1974, at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--27 years, 203 ft^3/s (5.75 m^3/s), 44.54 in/yr (1,131 mm/yr), 147,100 acre-ft/yr (181 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) Sept. 11, gage height, 5.82 ft (1.774 m); minimum, about 15 ft^3/s (0.42 m^3/s) Apr. 17, result of ice jam.

Period of record: Maximum discharge, 7,840 ft^3/s (222 m^3/s) Aug. 10, 1971, gage height, 9.84 ft (2.999 m) in gage well, 12.30 ft (3.749 m), top of needle peak in gate well, about 13 ft (4.0 km) from floodmarks, present datum, from rating curve extended above 4,600 ft^3/s (130 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, about 8 ft^3/s (0.23 m^3/s) Apr. 1-20, 1956 and Mar. 11, 12, 1957.

REMARKS.--Records fair except those for Nov. 16 to Mar. 25 and May 29 to June 23, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	67	50	26	28	24	20	26	600	708	456	195
2	111	65	50	26	28	24	20	31	800	760	433	175
3	102	68	50	26	28	24	20	37	800	784	433	165
4	111	57	45	26	28	24	20	34	750	732	415	155
5	129	56	45	24	28	24	20	32	700	732	433	181
6	143	71	45	24	26	22	20	31	650	958	397	225
7	149	62	45	24	26	22	20	30	650	1010	337	255
8	123	59	40	24	26	22	20	32	650	1090	720	218
9	112	58	40	24	26	22	20	38	650	1090	540	208
10	107	55	40	24	26	22	20	[illegible]	600	1010	445	425
11	104	55	40	26	26	22	20	[illegible]	600	892	415	1140
12	100	60	38	26	26	22	20	125	600	922	391	980
13	97	70	38	26	26	22	20	119	600	752	373	708
14	105	65	36	28	26	22	20	115	650	640	361	620
15	97	56	36	30	26	22	22	119	700	756	355	652
16	93	50	34	36	26	22	24	119	750	720	331	582
17	93	45	34	36	26	22	22	115	800	624	316	730
18	91	45	34	36	26	20	24	115	850	756	367	1080
19	86	45	32	36	26	20	23	125	850	740	319	860
20	75	45	32	36	26	20	22	141	900	784	301	768
21	87	50	32	36	24	20	22	155	960	760	319	668
22	82	55	30	36	24	20	20	151	900	660	275	668
23	81	55	30	36	24	20	20	155	816	599	258	613
24	83	50	30	36	24	20	18	185	744	557	238	602
25	79	50	28	36	24	20	18	190	712	512	238	596
26	75	50	28	32	24	20	20	198	768	466	272	568
27	75	55	28	32	24	20	20	242	780	492	250	494
28	70	55	28	32	24	20	22	275	728	504	218	466
29	67	60	28	30	---	20	23	300	708	445	200	382
30	70	55	26	30	---	20	24	350	728	442	185	355
31	68	---	26	30	---	20	---	400	---	476	187	---
TOTAL	2982	1689	1118	930	722	664	624	4172	21934	22333	10780	15654
MEAN	96.2	56.3	36.1	30.0	25.8	21.4	20.8	135	731	720	348	522
MAX	149	71	50	36	28	24	24	400	900	1090	720	1140
MIN	67	45	26	24	24	20	18	26	600	442	185	155
CFSM	1.55	.91	.58	.48	.42	.35	.34	2.18	11.8	11.6	5.62	8.43
IN.	1.79	1.02	.67	.56	.43	.40	.37	2.51	13.18	13.42	6.48	9.41
AC-FT	5910	3350	2220	1840	1430	1320	1240	8280	43510	44300	21380	31050

CAL YR 1974 TOTAL 66333 MEAN 182 MAX 1510 MIN 18 CFSM 2.94 IN 39.86 AC-FT 131600
WTR YR 1975 TOTAL 83602 MEAN 229 MAX 1140 MIN 18 CFSM 3.70 IN 50.24 AC-FT 165800

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
07-08	2100	5.60	1,260	09-11	1030	5.82	1,360
				09-18	0400	5.69	1,300

NOTE.--No gage-height record Jan. 28 to Mar. 26.

15291000 Susitna River near Denali

LOCATION.--Lat 63°06'14", long 147°30'57", in NE¼ sec.10, T.21 S., R.1 E., Matanuska-Susitna Borough, on upstream right pier of bridge on Denali Highway, 0.2 mi (0.3 km) downstream from Windy Creek, 3.3 mi (5.3 km) upstream from Butte Creek, and 5.3 mi (8.5 km) southwest of Denali.

DRAINAGE AREA.--950 mi² (2,460 km²), approximately.

PERIOD OF RECORD.--May 1957 to September 1966, July 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 2,440 ft (744 m) from topographic map. Prior to May 27, 1965, water-stage recorder at site 1.9 mi (3.1 km) downstream at different datum. May 27, 1965 to Sept. 30, 1966, nonrecording gage near right downstream end of bridge and July 4, 1968 to Aug. 28, 1974, water-stage recorder on left upstream wingwall, at present datum.

AVERAGE DISCHARGE.--16 years (1957-66, 1968-75), 2,695 ft³/s (76.32 m³/s), 38.53 in/yr (979 mm/yr), 1,953,000 acre-ft/yr (2.41 km³/yr).

EXTREMES.--Current year: Maximum discharge, 21,700 ft³/s (615 m³/s) July 12, gage height, 12.23 ft (3.728 m); minimum daily, about 200 ft³/s (5.66 m³/s) Feb. 1 to Apr. 30.

Period of record: Maximum discharge, 38,200 ft³/s (1,080 m³/s) Aug. 10, 1971, gage height, 13.32 ft (4.060 m) from rating curve extended above 19,000 ft³/s (540 m³/s); maximum gage height, 13.58 ft (4.139 m) May 11, 1970, backwater from ice; minimum daily discharge 34 ft³/s (0.96 m³/s) Mar. 16-31, 1959.

Flood of Aug. 14 or 15, 1967 reached a discharge of 28,200 ft³/s (799 m³/s), gage height, 12.7 ft (3.87 m) from floodmarks, from rating curve extended above 19,000 ft³/s (540 m³/s).

CORRECTIONS.--The maximum discharge for the water year 1974 is 16,800 ft³/s (476 m³/s) Aug. 28, 1974, gage height, 11.84 ft (3.609 m); the previously published figure was not the maximum.

REMARKS.--Records poor prior to May 27 and good thereafter. Streamflow augmented by meltage from glaciers that cover 25 percent of the basin. Records of water temperatures for the water years 1974 and 1975 and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3400	900	500	300	200	200	200	300	5800	10200	6620	3220
2	3200	900	500	300	200	200	200	300	5450	8680	7160	3040
3	3000	900	500	300	200	200	200	300	4860	9030	7910	3220
4	2800	900	500	300	200	200	200	300	4420	10700	6860	3280
5	3000	900	500	300	200	200	200	300	4500	10600	7220	3010
6	3200	800	400	300	200	200	200	300	4860	11300	7770	2740
7	3400	800	400	300	200	200	200	300	4700	12800	6140	2830
8	3600	800	400	300	200	200	200	300	5750	13900	5500	2830
9	3600	800	400	300	200	200	200	400	6440	15600	6140	2340
10	3400	800	400	300	200	200	200	400	5960	16000	6740	2230
11	3000	700	400	300	200	200	200	400	5150	18100	8400	5700
12	2600	700	400	300	200	200	200	500	4180	20000	7580	7520
13	2400	700	400	300	200	200	200	500	4220	18600	9580	4340
14	2200	700	400	300	200	200	200	600	5200	17400	9660	3520
15	2200	700	400	300	200	200	200	600	6440	16300	9180	3070
16	2000	600	400	300	200	200	200	700	7220	14400	12900	2890
17	1800	600	400	300	200	200	200	800	7840	12800	10600	3040
18	1800	600	400	300	200	200	200	900	8610	13700	9420	4340
19	1600	600	400	300	200	200	200	1000	9260	10800	7700	4860
20	1400	600	400	300	200	200	200	1200	12100	12800	7400	3700
21	1400	600	300	300	200	200	200	1400	9100	13500	7460	3860
22	1400	600	300	300	200	200	200	1600	8960	10800	6500	3700
23	1200	500	300	300	200	200	200	2000	10500	8820	7040	3640
24	1200	500	300	300	200	200	200	2600	8750	9660	7700	3600
25	1200	500	300	300	200	200	200	3200	6980	9500	7040	3600
26	1200	500	300	300	200	200	200	4000	7520	8610	8340	3600
27	1000	500	300	300	200	200	200	5500	7700	8680	6680	3600
28	1000	500	300	300	200	200	200	4900	8260	10400	4100	3400
29	1000	500	300	300	---	200	200	4740	9660	8190	3700	3200
30	1000	500	300	300	---	200	200	5200	10800	6740	3490	3200
31	1000	---	300	300	---	200	---	5300	---	6800	3400	---
TOTAL	66200	20200	11800	9300	5600	6200	6000	50840	211190	375410	226130	107120
MEAN	2135	673	381	300	200	200	200	1640	7040	12110	7295	3571
MAX	3600	900	500	300	200	200	200	5500	12100	20000	12900	7520
MIN	1000	500	300	300	200	200	200	300	4180	6740	3400	2230
CFSM	2.25	.71	.40	.32	.21	.21	.21	1.73	7.41	12.7	7.68	3.76
IN.	2.59	.79	.46	.36	.22	.24	.23	1.99	8.27	14.70	8.85	4.19
AC-FT	131300	40070	23410	18450	11110	12300	11900	100800	418900	744600	448500	212500

CAL YR 1974 TOTAL 1126090 MEAN 3085 MAX 14600 MIN 200 CFSM 3.25 IN 44.10 AC-FT 2234000
WTR YR 1975 TOTAL 1095990 MEAN 3003 MAX 20000 MIN 200 CFSM 3.16 IN 42.92 AC-FT 2174000

PEAK DISCHARGE (BASE, 14,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
07-18-74	0800	11.94	15,100	06-20-75	0930	11.58	14,100
08-28-74	1630	11.84	16,800	07-12-75	0630	12.23	21,700
				08-16-75	0830	11.54	15,100

NOTE.--No gage-height record Oct. 1 to May 23.

15291200 Maclaren River near Paxson

LOCATION.--Lat 63°07'10", long 146°31'45", Matanuska-Susitna Borough, near left bank on downstream side of bridge on Denali Highway, 1.5 mi (2.4 km) downstream from Boulder Creek, and 34 mi (55 km) west of Paxson.

DRAINAGE AREA.--280 mi^2 (730 km^2), approximately.

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,865.84 ft (873.508 m) above mean sea level (Alaska Department of Public Works bench mark). Prior to Sept. 20, 1961, at site 1,200 ft (400 m) downstream at same datum. Sept. 20, 1961 to June 7, 1964, at present site and datum; June 8, 1964 to Aug. 22, 1968, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--17 years, 976 ft^3/s (27.64 m^3/s), 47.34 in/yr (1,202 mm/yr), 707,100 acre-ft/yr (872 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 5,790 ft^3/s (164 m^3/s) Sept. 11, gage height, 6.67 ft (2.033 m); minimum daily, about 100 ft^3/s (2.8 m^3/s) Mar. 1 to Apr. 24.

Period of record: Maximum discharge, 9,260 ft^3/s (262 m^3/s) Aug. 11, 1971, gage height, 8.24 ft (2.512 m), from rating curve extended above 5,300 ft^3/s (150 m^3/s); maximum gage height, 9.10 ft (2.774 m) in May 1964, from floodmarks, backwater from ice; minimum daily discharge, about 40 ft^3/s (1.1 m^3/s) Mar. 1-25, 1965.

REMARKS.--Records good except those for Oct. 28 to May 30, which are poor. Streamflow augmented by Maclaren Glacier, which covers 19 percent of the basin. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	505	300	170	120	110	100	100	120	1820	4500	2250	976
2	440	310	170	120	110	100	100	130	1950	4120	2320	936
3	450	310	160	120	110	100	100	130	2060	4000	2230	982
4	404	300	160	120	110	100	100	130	1890	4150	2090	904
5	408	300	160	120	110	100	100	140	1850	4040	2050	863
6	515	280	160	120	110	100	100	140	2190	3940	2030	990
7	625	280	150	120	110	100	100	150	2510	4080	1840	1020
8	550	260	150	120	110	100	100	160	3130	4190	2310	1000
9	465	260	150	120	110	100	100	180	3120	4240	1970	836
10	455	260	150	120	110	100	100	200	2870	4260	1960	969
11	400	240	150	120	110	100	100	220	2640	4500	2200	4250
12	380	240	140	120	110	100	100	260	2460	4620	2190	4420
13	392	240	140	120	110	100	100	300	2410	4620	2400	2730
14	435	240	140	120	110	100	100	400	2680	4340	2280	1960
15	450	220	140	120	110	100	100	500	3020	4170	2280	1600
16	400	220	140	120	110	100	100	700	3360	4000	2880	1370
17	372	220	140	110	110	100	100	900	3550	3700	2430	1370
18	344	220	130	110	110	100	100	1000	3740	3600	2370	2760
19	312	200	130	110	110	100	100	1000	3910	3400	2040	2320
20	280	200	130	110	110	100	100	1100	4290	3610	1930	1910
21	280	200	130	110	110	100	100	1100	3830	3470	1930	1690
22	290	200	130	110	110	100	100	1200	4090	3170	1860	1700
23	300	190	130	110	110	100	100	1200	4680	2910	1760	1500
24	324	190	130	110	110	100	100	1300	4080	2900	1710	1310
25	340	190	130	110	110	100	110	1400	3440	2930	1640	1330
26	320	180	130	110	110	100	110	1600	3500	2950	1880	1260
27	316	180	130	110	110	100	110	1700	3660	2880	1650	1200
28	310	180	120	110	110	100	110	1600	3920	2850	1356	1080
29	300	170	120	110	---	100	120	1600	4250	2380	1240	1030
30	290	170	120	110	---	100	120	1600	4510	2280	1200	945
31	290	---	120	110	---	100	---	1650	---	2330	1160	---
TOTAL	11942	6950	4350	3570	3080	3100	3080	23810	95350	113130	61430	47211
MEAN	385	232	140	115	110	100	103	768	3178	3649	1982	1574
MAX	625	310	170	120	110	100	120	1700	4680	4620	2880	4420
MIN	280	170	120	110	110	100	100	120	1820	2280	1160	836
CFSM	1.38	.83	.50	.41	.39	.36	.37	2.74	11.4	13.0	7.08	5.62
IN.	1.59	.92	.58	.47	.41	.41	.41	3.16	12.67	15.03	8.16	6.27
AC-FT	23690	13790	8630	7080	6110	6150	6110	47230	189100	224400	121800	93640

CAL YR 1974 TOTAL 314504 MEAN 862 MAX 3900 MIN 55 CFSM 3.08 IN 41.78 AC-FT 623800
WTR YR 1975 TOTAL 377003 MEAN 1033 MAX 4680 MIN 100 CFSM 3.69 IN 50.09 AC-FT 747800

PEAK DISCHARGE (BASE, 4,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
06-23	1130	6.12	4,860	07-12	0100	6.11	4,840
07-01	0500	6.05	4,750	09-11	1630	6.67	5,790

NOTE.--No gage-height record Oct. 28 to May 30.

15292000 Susitna River at Gold Creek

LOCATION.--Lat 62°46'04", long 149°41'28", in NW¼ sec.20, T.31 N., R.2 W., Matanuska-Susitna Borough, near left bank under Alaska Railroad bridge, 0.1 mi (0.2 km) downstream from Gold Creek, 0.9 mi (1.4 km) north of Gold Creek railroad station, and 2.0 mi (3.2 km) downstream from Indian River.

DRAINAGE AREA.--6,160 mi^2 (15,950 km^2), approximately.

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 676.50 ft (206.197 m) above mean sea level. Prior to June 6, 1957, nonrecording gage at same site and datum. June 7, 1957 to June 2, 1964, water-stage recorder at site 0.3 mi (0.5 km) upstream at same datum.

AVERAGE DISCHARGE.--26 years, 9,707 ft^3/s (274.9 m^3/s), 21.40 in/yr (544 mm/yr), 7,033,000 acre-ft/yr (8.67 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 47,300 ft^3/s (1,340 m^3/s) June 3, gage height, 13.30 ft (4.054 m); minimum daily, about 1,400 ft^3/s (39.6 m^3/s) Feb. 21 to Apr. 13.

Period of record: Maximum discharge, 90,700 ft^3/s (2,570 m^3/s) June 7, 1964, gage height, 16.58 ft (5.054 m); maximum gage height observed, 24.48 ft (7.462 m) May 10, 1954, ice jam; minimum daily discharge, about 600 ft^3/s (17.0 m^3/s) Feb. 16-20, 1950.

REMARKS.--Records good except those for Oct. 15 to May 19, which are poor. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7530	1700	1700	1600	1500	1400	1400	2500	32600	30600	24000	11800
2	6090	1700	1600	1600	1500	1400	1400	2800	35000	28600	23100	11400
3	5000	1700	1600	1600	1500	1400	1400	3000	44000	26600	22400	10900
4	4340	1700	1600	1600	1500	1400	1400	3300	41800	26400	21600	10900
5	4600	1700	1600	1600	1500	1400	1400	3800	40800	26800	19700	11800
6	5100	1700	1600	1500	1500	1400	1400	4400	34600	26500	19500	12200
7	5780	1700	1600	1500	1500	1400	1400	5000	31000	27600	19900	12400
8	6150	1700	1600	1500	1500	1400	1400	5900	30200	27200	20000	12600
9	6300	1700	1600	1500	1500	1400	1400	6700	32400	27800	20000	12800
10	5900	1700	1600	1500	1500	1400	1400	7600	31000	28300	19300	13000
11	5550	1700	1600	1500	1500	1400	1400	8600	27600	28400	18800	19300
12	5180	1700	1600	1500	1500	1400	1400	9800	24600	30300	18600	26300
13	4820	1700	1600	1500	1500	1400	1400	11000	22000	33400	17400	28600
14	4300	1700	1600	1500	1500	1400	1500	12000	24600	33900	17000	21400
15	3800	1700	1600	1500	1500	1400	1500	13500	28800	30200	17400	17800
16	3500	1700	1600	1500	1500	1400	1500	15000	32800	30600	18700	16500
17	3100	1700	1600	1500	1500	1400	1500	16500	34200	28100	21000	16200
18	2800	1700	1600	1500	1500	1400	1500	18000	32600	25600	20200	17800
19	2600	1700	1600	1500	1500	1400	1600	19500	31400	26500	19800	20500
20	2400	1700	1600	1500	1500	1400	1600	20300	34000	27200	17900	21700
21	2200	1700	1600	1500	1400	1400	1600	21100	36200	30200	16300	19300
22	2100	1700	1600	1500	1400	1400	1600	21300	36200	30300	15600	18400
23	2000	1700	1600	1500	1400	1400	1700	21900	35900	26300	15200	17800
24	2000	1700	1600	1500	1400	1400	1700	24600	33200	23400	15100	16800
25	1900	1700	1600	1500	1400	1400	1800	26200	30200	24400	15100	16000
26	1900	1700	1600	1500	1400	1400	1900	25800	28600	24600	15100	16000
27	1900	1700	1600	1500	1400	1400	2000	26900	29400	24100	17000	15000
28	1800	1700	1600	1500	1400	1400	2100	27800	30200	28400	17200	15000
29	1700	1700	1600	1500	---	1400	2200	29200	31600	28600	14000	15000
30	1700	1700	1600	1500	---	1400	2300	31000	31800	24900	12200	14000
31	1700	---	1600	1500	---	1400	---	31000	---	24000	11800	---
TOTAL	115900	51000	49700	47000	41200	43400	47800	476000	969300	859200	560900	489200
MEAN	3739	1700	1603	1516	1471	1400	1593	15350	32310	27720	18090	16310
MAX	7530	1700	1700	1600	1500	1400	2300	31000	44000	33900	24000	28600
MIN	1700	1700	1600	1500	1400	1400	1400	2500	22000	23400	11800	10900
CFSM	.61	.28	.26	.25	.24	.23	.26	2.49	5.25	4.50	2.94	2.65
IN.	.70	.31	.30	.28	.25	.26	.29	2.87	5.85	5.19	3.39	2.95
AC-FT	229900	101200	98580	93220	81720	86080	94810	944100	1923000	1704000	1113000	970300

CAL YR 1974 TOTAL 2808090 MEAN 7693 MAX 33600 MIN 700 CFSM 1.25 IN 16.96 AC-FT 5570000
WTR YR 1975 TOTAL 3750600 MEAN 10280 MAX 44000 MIN 1400 CFSM 1.67 IN 22.65 AC-FT 7439000

NOTE.--No gage-height record Nov. 28 to May 19.

15292700 Talkeetna River near Talkeetna

(Hydrologic bench-mark station)

LOCATION.--Lat62°20'49", long 150°01'01", in NE¼ sec.16, T.26 N., R.4 W., Matanuska-Susitna Borough, on left bank 1.7 mi (2.7 km) downstream from Chunilna Creek, 3.5 mi (5.6 km) northeast of Talkeetna, and about 5 mi (8 km) above mouth.

DRAINAGE AREA.--2,006 mi^2 (5,196 km^2).

PERIOD OF RECORD.--June 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 400 ft (120 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 4,085 ft^3/s (115.7 m^3/s), 27.65 in/yr (702 mm/yr), 2,960,000 acre-ft/yr (3.65 km^3/yr).

EXTREMES.-- Current year: Maximum discharge, 22,200 ft^3/s (629 m^3/s) July 12, gage height, 9.74 ft (2.969 m); minimum daily, about 500 ft^3/s (14.2 m^3/s) Mar. 6 to Apr. 20.
Period of record: Maximum discharge, 67,400 ft^3/s (1,910 m^3/s) Aug. 10, 1971, gage height, 16.35 ft (4.983 m); minimum daily, about 380 ft^3/s (10.8 m^3/s) Feb. 21 to Apr. 10, 1969.

REMARKS.--Records good except those for Oct. 12 to May 19, which are poor. Records of chemical analyses and suspended sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3100	1300	800	700	650	550	500	600	13500	12400	12900	5020
2	2150	1400	800	700	650	550	500	650	14800	11200	10700	4880
3	1850	1400	800	700	650	550	500	650	16400	11600	9840	4880
4	2310	1300	800	700	650	550	500	700	16400	12100	8810	4720
5	2640	1200	800	700	650	550	500	700	14600	11700	8630	6080
6	3000	1200	800	700	600	500	500	750	12700	11700	8390	7370
7	3260	1100	800	700	600	500	500	800	11000	12000	8510	6920
8	3080	1100	800	700	600	500	500	850	11400	12200	12800	6230
9	2800	1000	800	700	600	500	500	900	11100	12000	12900	5600
10	2520	1000	800	700	600	500	500	1000	11600	13000	10500	6710
11	2380	1000	800	700	600	500	500	1100	10600	12900	9170	14500
12	2000	1000	800	700	600	500	500	1200	9080	17800	8720	14900
13	1900	1000	800	700	600	500	500	1400	8810	16800	8690	11300
14	2200	950	800	700	600	500	500	1800	10600	17300	7940	9200
15	2000	950	800	700	600	500	500	2400	11800	13700	8000	8360
16	1800	950	750	700	550	500	500	3000	13600	13400	9920	7970
17	1700	950	750	700	550	500	500	4000	15600	11000	8400	8420
18	1600	900	750	700	550	500	500	5000	12300	11700	8900	10500
19	1600	900	750	700	550	500	500	5200	13300	11200	9760	11100
20	1500	900	750	700	550	500	500	3840	13600	14000	8420	10700
21	1400	900	750	700	550	500	550	3540	11800	13100	8060	9440
22	1400	900	750	700	550	500	550	3900	15000	10900	7310	9280
23	1500	900	750	700	550	500	550	4120	10600	9800	7040	8660
24	1600	850	750	700	550	500	550	7910	13400	9760	6830	7820
25	1800	850	750	700	550	500	550	7490	12500	11400	6440	7340
26	1600	850	750	700	550	500	550	7550	12400	9840	6600	6920
27	1400	850	750	700	550	500	550	8930	12800	9080	7340	6600
28	1300	850	750	650	550	500	600	10900	14200	9280	6050	6120
29	1200	800	750	650	---	500	600	11300	16400	8690	5380	5700
30	1200	800	750	650	---	500	600	12200	15500	8840	5080	5400
31	1200	---	750	650	---	500	---	12200	---	12300	4920	---
TOTAL	60990	30050	24000	21500	16400	15750	15650	126600	395390	374290	263110	238800
MEAN	1967	1002	774	694	586	508	522	4084	13180	12070	8487	7960
MAX	3260	1400	800	700	650	550	600	12200	18600	17800	12900	14900
MIN	1200	800	750	650	550	500	500	600	8810	8690	4920	4720
CFSM	.98	.50	.39	.35	.29	.25	.26	2.04	6.57	6.02	4.23	3.97
IN.	1.13	.56	.45	.40	.30	.29	.29	2.35	7.33	6.94	4.88	4.43
AC-FT	121000	59600	47600	42650	32530	31240	31040	251100	784300	742400	521900	473700

CAL YR 1974 TOTAL 1220730 MEAN 3344 MAX 18800 MIN 450 CFSM 1.67 IN 22.64 AC-FT 2421000
WTR YR 1975 TOTAL 1582530 MEAN 4336 MAX 18600 MIN 500 CFSM 2.16 IN 29.35 AC-FT 3139000

NOTE.--No gage-height record Oct. 12 to May 19.

15294300 Skwentna River near Skwentna

LOCATION.--Lat 61°52'23", long 151°22'01", in NW¼ sec.31, T.21 N., R.11 W., Matanuska-Susitna Borough, on right bank 2 mi (3 km) downstream from Shell Creek, 8 mi (13 km) southwest of Skwentna, and 13 mi (21 km) upstream from mouth.

DRAINAGE AREA.--2,250 mi² (5,830 km²), approximately.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (61 m) from topographic map.

AVERAGE DISCHARGE.--16 years, 6,177 ft³/s (174.9 m³/s), 37.28 in/yr (947 mm/yr), 4,475,000 acre-ft/yr (5.52 km³/yr).

EXTREMES.--Current year: Maximum discharge, 33,200 ft³/s (940 m³/s) June 30, gage height, 12.49 ft (3.807 m); minimum daily, about 750 ft³/s (21.2 m³/s) Feb. 1 to Apr. 20.

Period of record: Maximum discharge, 50,000 ft³/s (1,420 m³/s) June 25, 1971, gage height, 14.74 ft (4.493 m) from rating curve extended above 27,000 ft³/s (760 m³/s); minimum daily, about 600 ft³/s (17.0 m³/s) Mar. 1-31, 1964, Dec. 16, 1968 to Mar. 15, 1969, Mar. 9 to Apr. 26, 1971, and Mar. 5 to Apr. 5, 1973.

REMARKS.--Records good except those for Oct. 29 to May 16, which are poor. Summer flows augmented by glaciers that cover 16 percent of the basin. Records of suspended-sediment loads for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1936: 1960. WRD Alaska 1970: 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5700	4000	1200	800	750	750	750	900	16000	23000	13000	7210
2	4600	4150	1000	800	750	750	750	900	18400	18800	14500	7190
3	3800	4300	1000	800	750	750	750	900	19800	17400	14100	7150
4	3600	4200	1000	800	750	750	750	900	22200	18600	13200	6850
5	4000	3800	1000	800	750	750	750	1000	22800	20000	13500	6610
6	4800	3600	1000	800	750	750	750	1000	20400	20500	13000	8020
7	5050	3400	1000	800	750	750	750	1200	16800	22000	12600	7510
8	5800	3200	1000	800	750	750	750	1200	16200	23400	12000	6580
9	5150	3000	1000	800	750	750	750	1400	15400	25000	11300	5950
10	4550	2800	1000	800	750	750	750	1600	15000	25000	10900	7660
11	4200	2600	900	800	750	750	750	2000	14800	25600	10900	11900
12	3800	2400	900	800	750	750	750	2500	14400	25900	10700	10600
13	4400	2200	900	800	750	750	750	3500	14300	26600	12700	8050
14	4750	2200	900	800	750	750	750	4500	15000	25000	16400	6460
15	5300	2000	900	800	750	750	750	6500	16000	20600	18600	6000
16	4600	2000	900	800	750	750	750	9000	18000	22400	19000	5900
17	4200	1800	900	800	750	750	750	10200	22000	21400	14400	8000
18	3800	1800	900	800	750	750	750	11700	19600	19600	12200	14000
19	3600	1600	900	800	750	750	750	12000	17200	19400	11100	13200
20	3400	1600	900	800	750	750	750	10900	18800	18300	10000	12800
21	4000	1600	900	800	750	750	800	10700	19700	17000	9580	12200
22	4600	1400	900	800	750	750	800	10900	23900	15800	9340	11000
23	5000	1400	900	800	750	750	800	12900	24200	15100	9550	9730
24	5200	1400	900	800	750	750	800	13600	19800	15400	9670	8470
25	6150	1400	900	800	750	750	800	13200	18000	15600	9550	7960
26	5720	1200	800	800	750	750	800	13700	18400	15300	9580	7840
27	4900	1200	800	800	750	750	800	15200	19200	15800	9820	7270
28	4240	1200	800	800	750	750	800	17200	19800	15400	8500	6730
29	3800	1200	800	800	---	750	800	17000	24600	14200	7210	7030
30	3800	1200	800	800	---	750	800	17800	31000	13000	7300	7390
31	3800	---	800	800	---	750	---	16600	---	13300	7360	---
TOTAL	141270	69850	28500	24800	21000	23250	23000	243400	571800	605200	363160	254130
MEAN	4557	2328	919	800	750	750	767	7852	19060	19520	11710	8471
MAX	6150	4300	1200	800	750	750	800	17800	31000	26600	19000	14000
MIN	3400	1200	800	800	750	750	750	900	14300	13000	7210	5900
CFSM	2.03	1.03	.41	.36	.33	.33	.34	3.49	8.47	8.68	5.20	3.76
IN.	2.34	1.15	.47	.41	.35	.38	.38	4.02	9.45	10.01	6.00	4.20
AC-FT	280200	138500	56530	49190	41650	46120	45620	482800	1134000	1200000	720300	504100

CAL YR 1974 TOTAL 1921720 MEAN 5265 MAX 19500 MIN 750 CFSM 2.34 IN 31.77 AC-FT 3812000
WTR YR 1975 TOTAL 2369360 MEAN 6491 MAX 31000 MIN 750 CFSM 2.88 IN 39.17 AC-FT 4700000

NOTE.--No gage height record Nov. 4 to May 16.

15294350 Susitna River at Susitna Station

(National stream-quality accounting network station)

LOCATION.--Lat 61°32'41", long 150°30'45", in SE¼SE¼ sec.22, T.17 N., R.7 W., Matanuska-Susitna Borough, on left bank at Susitna Station, 1.5 mi (2.4 km) downstream from Yentna River, and 12.5 mi (20.1 km) upstream from Alexander Creek.

DRAINAGE AREA.--19,400 mi² (50,200 km²), approximately.

PERIOD OF RECORD.--October 1974 to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 40 ft (12 m) from topographic map.

EXTREMES.--Water year 1975: Maximum discharge, 173,000 ft³/s (4,900 m³/s) July 1, gage height, 17.44 ft (5.316 m); minimum daily, about 6,500 ft³/s (184 m³/s) Apr. 5-21.

REMARKS.--Records poor prior to May 23 and fair thereafter. Records of chemical analyses, biological analyses, water temperatures, and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35000	11000	10000	9000	8000	7500	7000	9000	124000	171000	113000	53000
2	30000	11000	10000	9000	8000	7500	7000	9500	127000	159000	109000	49800
3	25000	11000	10000	9000	8000	7500	7000	9500	133000	140000	106000	48500
4	20000	11000	10000	9000	8000	7000	7000	10000	138000	132000	104000	47800
5	21000	11000	10000	9000	8000	7000	6500	10000	142000	134000	102000	47800
6	23000	11000	10000	9000	8000	7000	6500	11000	137000	130000	100000	71300
7	25000	11000	9500	9000	8000	7000	6500	12000	126000	134000	99600	85800
8	28000	11000	9500	9000	8000	7000	6500	13000	115000	142000	99600	80900
9	30000	11000	9500	9000	8000	7000	6500	14000	115000	147000	104000	69800
10	28000	11000	9500	9000	8000	7000	6500	16000	113000	153000	98000	62500
11	26000	11000	9500	8500	8000	7000	6500	17000	113000	155000	93800	86200
12	24000	11000	9500	8500	8000	7000	6500	19000	110000	156000	90800	122000
13	22000	10000	9500	8500	8000	7000	6500	22000	105000	163000	87500	112000
14	21000	10000	9500	8500	8000	7000	6500	26000	102000	158000	92200	94400
15	20000	10000	9500	8500	8000	7000	6500	29000	110000	151000	97600	77200
16	19000	10000	9500	8500	8000	7000	6500	32000	119000	140000	104000	69800
17	18000	10000	9500	8500	8000	7000	6500	38000	133000	146000	111000	68800
18	17000	10000	9500	8500	7500	7000	6500	44000	138000	135000	105000	89300
19	16000	10000	9500	8500	7500	7000	6500	50000	129000	133000	103000	112000
20	15000	10000	9500	8500	7500	7000	6500	55000	128000	128000	93500	108000
21	15000	10000	9000	8500	7500	7000	6500	65000	132000	132000	84200	110000
22	14000	10000	9000	8500	7500	7000	7000	70000	136000	133000	81200	102000
23	14000	10000	9000	8500	7500	7000	7000	82200	152000	124000	78200	94200
24	14000	10000	9000	8500	7500	7000	7000	89000	161000	114000	76800	85100
25	13000	10000	9000	8500	7500	7000	7000	94000	143000	117000	75400	75500
26	13000	10000	9000	8500	7500	7000	7500	91000	134000	116000	74800	69800
27	13000	10000	9000	8500	7500	7000	7500	93500	128000	112000	76800	67300
28	12000	10000	9000	8000	7500	7000	8000	101000	131000	113000	80600	61600
29	12000	10000	9000	8000	---	7000	8000	107000	136000	119000	72200	56200
30	11000	10000	9000	8000	---	7000	8500	114000	153000	112000	60900	53500
31	11000	---	9000	8000	---	7000	---	121000	---	108000	57600	---
TOTAL	605000	312000	292000	266500	218500	218500	206000	1473700	3863000	4207000	2832300	2332100
MEAN	19520	10400	9419	8597	7804	7048	6867	47540	128800	135700	91360	77740
MAX	35000	11000	10000	9000	8000	7500	8500	121000	161000	171000	113000	122000
MIN	11000	10000	9000	8000	7500	7000	6500	9000	102000	108000	57600	47800
CFSM	1.01	.54	.49	.44	.40	.36	.35	2.45	6.64	6.99	4.71	4.01
IN.	1.16	.60	.56	.51	.42	.42	.40	2.83	7.41	8.07	5.43	4.47
AC-FT	1200000	618900	579200	528600	433400	433400	408600	2923000	7662000	8345000	5618000	4626000

WTR YR 1975 TOTAL 16826600 MEAN 46100 MAX 171000 MIN 6500 CFSM 2.38 IN 32.27 AC-FT 33380000

NOTE.--No gage-height record Oct. 1 to May 22.

15296000 Uganik River near Kodiak

LOCATION.--Lat 57°41'06", long 153°25'10", Kodiak Island Borough, on Kodiak Island, on right bank 0.5 mi (0.8 km) upstream from tidewater of East Arm Uganik Bay, 1 mi (2 km) downstream from Mush Lake tributary, 4 mi (6 km) downstream from Uganik Lake, and 40 mi (64 km) west of Kodiak.

DRAINAGE AREA.--123 mi² (319 km²).

PERIOD OF RECORD.--May 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6 m) from topographic map.

AVERAGE DISCHARGE.--24 years, 656 ft³/s (18.58 m³/s), 72.43 in/yr (1,840 mm/yr), 475,300 acre-ft/yr (586 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,420 ft³/s (153 m³/s) June 29, gage height, 8.08 ft (2.463 m), from rating curve extended above 2,500 ft³/s (70.8 m³/s); minimum daily, 100 ft³/s (2.83 m³/s) Mar. 6 to Apr. 5.
Period of record: Maximum discharge, 13,700 ft³/s (388 m³/s) Oct. 3, 1952, gage height, 10.65 ft (3.25 m), from rating curve extended above 2,500 ft³/s (70.8 m³/s); minimum daily, 24 ft³/s (0.68 m³/s) Mar. 10-18, 1972.

REMARKS.--Records good except those for Nov. 27 to May 8, which are poor. Periodic high tides cause backwater at the gage and are shown on the stage record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	422	1120	140	120	150	110	100	240	970	2390	1050	584
2	368	890	140	120	150	110	100	260	1000	1880	1050	560
3	344	752	140	120	150	110	100	280	1010	2040	1010	544
4	338	640	150	120	140	110	100	300	970	2480	1050	528
5	622	616	160	120	140	110	100	290	920	2120	1150	492
6	429	544	160	120	140	100	110	280	920	2000	1260	600
7	401	492	150	120	140	100	110	320	920	2520	1080	576
8	362	478	150	120	130	100	120	400	950	2740	910	520
9	332	436	140	120	130	100	120	552	1350	2900	830	506
10	296	387	140	120	130	100	130	707	1360	2740	780	800
11	270	362	130	120	130	100	140	1070	1160	2840	840	960
12	260	356	130	120	130	100	160	1150	1090	2940	1970	743
13	314	362	120	120	130	100	180	1100	1100	2180	2920	584
14	429	374	120	120	120	100	220	1290	1090	1790	1740	499
15	436	356	120	130	120	100	260	1170	1100	2110	1140	436
16	422	338	120	130	120	100	300	950	1300	2250	970	394
17	387	314	130	140	120	100	350	810	1300	1930	870	536
18	356	290	130	140	120	100	340	770	1400	1580	800	840
19	314	260	120	130	120	100	320	790	1800	1320	910	707
20	284	235	120	120	120	100	300	716	1550	1260	920	1240
21	338	240	120	120	120	100	280	699	1720	1250	890	1040
22	552	220	140	130	110	100	270	616	2090	1270	761	780
23	725	206	160	140	110	100	260	544	2280	2510	696	800
24	1320	196	150	160	110	100	250	544	1960	2630	592	680
25	1870	178	140	170	110	100	240	860	2030	1760	544	584
26	1390	170	140	180	110	100	230	1400	2210	1380	552	980
27	1170	160	130	180	110	100	230	1480	2320	1350	668	979
28	1040	160	130	170	110	100	220	1180	3040	1350	698	1140
29	990	150	130	170	---	100	220	1040	5000	1390	616	1980
30	1050	150	120	160	---	100	230	950	3880	1440	560	1590
31	1500	---	120	160	---	100	---	900	---	1170	560	---
TOTAL	19739	11440	4190	4210	3520	3150	6090	23577	49950	61430	30335	23053
MEAN	637	381	135	136	126	102	203	761	1665	1982	979	768
MAX	1870	1120	160	180	150	110	350	1480	5000	2940	2920	1980
MIN	260	150	120	120	110	100	100	240	920	1170	544	394
CFSM	5.18	3.10	1.10	1.11	1.02	.83	1.65	6.19	13.5	16.1	7.96	6.24
IN.	5.97	3.46	1.27	1.27	1.06	.95	1.84	7.13	15.11	18.50	9.17	6.97
AC-FT	39150	22690	8310	8350	6980	6250	12080	46760	99080	121800	60170	45730

CAL YR 1974 TOTAL 220167 MEAN 603 MAX 3100 MIN 60 CFSM 4.90 IN 66.59 AC-FT 436700
WTR YR 1975 TOTAL 240684 MEAN 659 MAX 5000 MIN 100 CFSM 5.36 IN 72.79 AC-FT 477400

PEAK DISCHARGE (BASE, 3,400 CFS).--June 29 (1600) 5,420 ft³/s (8.08 ft).
NOTE.--No gage-height record Nov. 27 to May 8.

15296500 Falls Creek near Larsen Bay

LOCATION.--Lat 57°16'30", long 153°59'03", in SE¼NW¼ sec.36, T.33 S., R.30 W., Kodiak Island Borough, Kodiak National Wildlife Refuge, on Kodiak Island, on right bank 0.2 mi (0.3 km) upstream from mouth, and 18 mi (29 km) south of Larsen Bay.

DRAINAGE AREA.--5.67 mi² (14.69 km²).

GAGE.--Water-stage recorder. Altitude of gage is 380 ft (116 m) from topographic map.

PERIOD OF RECORD.--July 1974 to September 1975 (discontinued).

EXTREMES.--July to September 1974: Maximum discharge during period, 174 ft³/s (4.93 m³/s) Sept. 25, gage height, 2.73 ft (0.832 m), from rating curve extended above 49 ft³/s (1.4 m³/s); minimum about 0.07 ft³/s (0.002 m³/s) Aug. 23, gage height, 0.72 ft (0.219 m).

Water year 1975: Maximum discharge, 127 ft³/s (3.60 m³/s) June 29, gage height, 2.41 ft (0.735 m), from rating curve extended above 49 ft³/s (1.4 m³/s); minimum daily, 0.20 ft³/s (0.006 m³/s) Feb. 21 to Apr. 2.

REMARKS.--Records fair except those below 4 ft³/s (0.1 m³/s), which are poor. Records of chemical analyses and water temperatures for the period July to September 1974 and for water year 1975 are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	JUL	AUG	SEP
1	2.5	47	9	5.6	12	17	1.8	38	25	3.8	2.2	133
2	2.4	33	10	4.4	12	18	1.5	46	26	3.6	2.2	75
3	2.2	25	11	3.6	14	19	1.3	39	27	3.3	45	53
4	2.0	19	12	3.3	21	20	1.0	38	28	3.1	26	42
5	1.9	16	13	2.7	18	21	.76	29	29	2.9	55	33
6	2.2	14	14	2.5	25	22	.42	25	30	2.7	47	27
7	3.3	12	15	2.2	28	23	.68	22	31	2.5	55	--
8	3.4	12	16	1.9	30	24	2.5	81				

AUGUST TOTAL 288.46 MEAN 9.30 MAX 55 MIN .42 CFSM 1.64 IN. 1.89 AC-FT 572
SEPTEMBER TOTAL 1019 MEAN 33.9 MAX 133 MIN 12 CFSM 5.99 IN. 6.69 AC-FT 2020

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	33	3.1	.40	1.0	.20	.20	12	59	48	8.9	3.0
2	17	29	2.0	.40	1.0	.20	.20	14	59	49	7.6	6.0
3	17	23	1.5	.40	.90	.20	.30	20	59	54	6.5	10
4	33	20	2.0	.30	.80	.20	.50	17	53	47	6.2	8.0
5	58	17	4.0	.30	.70	.20	1.0	14	53	43	7.6	10
6	60	14	2.9	.30	.60	.20	3.0	14	52	49	5.9	15
7	46	17	2.5	.30	.60	.20	2.0	17	47	51	5.3	12
8	40	16	2.0	.30	.50	.20	2.0	25	49	52	4.4	15
9	33	16	1.6	.30	.50	.20	3.0	32	58	50	4.1	20
10	28	11	2.9	.30	.50	.20	5.0	64	55	52	3.4	40
11	22	11	2.7	.30	.40	.20	4.0	75	54	48	3.4	30
12	20	31	2.9	.30	.40	.20	4.0	56	54	40	4.7	25
13	25	31	2.4	.30	.40	.20	3.0	56	55	34	5.0	22
14	28	37	1.4	.30	.40	.20	5.0	56	52	30	3.6	20
15	26	29	1.8	.30	.30	.20	10	49	53	26	6.5	19
16	22	22	.70	.40	.30	.20	30	44	64	23	8.5	18
17	19	17	1.8	.80	.30	.20	25	42	61	20	7.2	20
18	16	14	1.9	1.0	.30	.20	20	46	81	17	7.2	25
19	14	7.6	1.5	.90	.30	.20	18	44	75	21	8.1	35
20	12	7.0	.80	.80	.30	.20	16	39	63	20	9.3	50
21	23	6.0	1.4	.70	.20	.20	14	39	71	20	7.0	40
22	24	5.6	3.1	1.0	.20	.20	14	31	79	17	6.0	35
23	36	5.3	2.2	1.5	.20	.20	12	28	70	19	5.0	32
24	77	3.8	1.8	1.2	.20	.20	12	35	59	17	5.0	30
25	85	5.0	1.2	2.0	.20	.20	12	56	59	15	5.0	20
26	60	5.3	1.0	3.0	.20	.20	10	62	50	12	4.0	26
27	46	5.9	1.0	2.0	.20	.20	10	59	66	12	4.0	25
28	36	6.2	.80	1.5	.20	.20	10	56	80	11	4.0	20
29	39	5.6	.60	1.0	---	.20	15	52	97	14	4.0	32
30	61	5.0	.50	1.0	---	.20	11	48	60	14	3.0	30
31	41	---	.50	1.0	---	.20	---	50	---	10	3.0	---
TOTAL	1086	456.3	56.50	24.60	12.10	6.20	267.20	1254	1853	935	173.4	717.0
MEAN	35.0	15.2	1.82	.79	.43	.20	8.91	40.5	61.8	30.2	5.59	23.9
MAX	85	37	4.0	3.0	1.0	.20	30	75	97	54	9.3	50
MIN	12	3.8	.50	.30	.20	.20	.20	12	47	10	3.0	3.0
CFSM	6.17	2.68	.32	.14	.08	.04	1.57	7.14	10.9	5.33	.99	4.22
IN.	7.12	2.99	.37	.16	.08	.04	1.75	8.23	12.16	6.13	1.14	4.70
AC-FT	2150	905	112	49	24	12	530	2490	3680	1850	344	1420

WTR YR 1975 TOTAL 6841.30 MEAN 18.7 MAX 97 MIN .20 CFSM 3.30 IN 44.88 AC-FT 13570

NOTE.--No gage-height record Jan. 7 to Apr. 27 and Aug. 21 to Sept. 30.

15296520 Canyon Creek near Larsen Bay

LOCATION.--Lat 57°17'00", long 153°58'52", in SE¼SW¼ sec.25, T.33 S., R.30 W., Kodiak Island Borough, Kodiak National Wildlife Refuge, on Kodiak Island, on left bank 0.6 mi (1.0 km) upstream from mouth, and 17 mi (27 km) south of Larsen Bay.

DRAINAGE AREA.--8.82 mi² (22.84 km²).

PERIOD OF RECORD.--July 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 450 ft (137 m) from topographic map.

EXTREMES.--July to September 1974: Maximum discharge during period, 248 ft³/s (7.02 m³/s) Sept. 25, gage height, 1.97 ft (0.600 m), from rating curve extended above 82 ft³/s (2.3 m³/s); minimum, 13 ft³/s (0.37 m³/s) Aug. 21-23, gage height, 0.68 ft (0.207 m).

Water year 1975: Maximum discharge, 335 ft³/s (9.49 m³/s) June 29, gage height, 2.16 ft (0.658 m), from rating curve extended above 82 ft³/s (2.3 m³/s); minimum daily, 8.0 ft³/s (0.23 m³/s) Jan. 3-14, Mar. 17 to Apr. 3.

REMARKS.--Records fair except those above 100 ft³/s (3 m³/s) and below 20 ft³/s (0.6 m³/s), which are poor. Records of chemical analyses and water temperatures for the period July to Sept. 1974 and for water year 1975 are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	JUL	AUG	SEP
1	18	77	9	20	27	17	14	51	25	22	14	170
2	18	61	10	19	27	18	14	63	26	21	14	104
3	16	49	11	18	31	19	13	58	27	20	71	83
4	16	41	12	18	34	20	13	54	28	20	49	71
5	15	36	13	16	31	21	13	47	29	19	87	61
6	16	32	14	16	38	22	13	42	30	18	77	53
7	17	31	15	15	40	23	13	41	31	18	83	--
8	17	28	16	15	42	24	15	94				

AUGUST TOTAL 773 MEAN 24.9 MAX 87 MIN 13 CFSM 2.83 IN. 3.26 AC-FT 1530
SEPTEMBER TOTAL 1617 MEAN 53.9 MAX 170 MIN 27 CFSM 6.11 IN. 6.82 AC-FT 3210

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	65	18	9.0	14	9.0	8.0	24	87	120	28	16
2	41	56	18	9.0	14	9.0	8.0	26	85	110	27	18
3	39	51	16	8.0	15	9.0	8.0	29	89	130	27	19
4	61	45	18	8.0	14	9.0	9.0	46	82	110	27	27
5	82	40	20	8.0	14	9.0	10	35	82	100	30	30
6	89	36	17	8.0	13	9.0	12	32	82	110	27	33
7	79	38	16	8.0	12	9.0	13	36	79	120	26	27
8	69	34	16	8.0	11	9.0	15	44	82	120	24	33
9	59	31	15	8.0	11	9.0	17	94	93	110	23	38
10	51	27	15	8.0	11	9.0	20	93	89	110	22	79
11	47	29	15	8.0	11	9.0	20	120	83	100	22	65
12	48	53	15	8.0	11	9.0	19	93	85	90	25	53
13	50	53	14	8.0	11	9.0	18	89	85	80	24	45
14	63	62	13	8.0	10	9.0	20	91	82	75	22	40
15	50	61	12	9.0	10	9.0	30	82	87	70	26	39
16	48	45	11	9.0	10	9.0	56	75	100	69	26	35
17	44	38	12	11	10	8.0	54	71	100	65	24	65
18	38	32	13	11	10	8.0	43	74	122	58	24	69
19	32	30	12	11	10	8.0	40	75	132	56	25	80
20	31	28	11	10	10	8.0	38	60	113	53	24	94
21	48	27	12	9.0	10	8.0	37	65	125	49	22	82
22	48	26	15	10	10	8.0	36	54	140	48	20	74
23	61	24	14	12	10	8.0	32	53	130	55	20	65
24	106	23	13	12	10	8.0	28	59	111	47	19	59
25	130	22	12	14	10	8.0	24	80	102	42	18	55
26	98	20	11	20	10	8.0	21	93	106	37	18	51
27	88	20	10	18	10	8.0	20	87	122	35	18	47
28	68	20	10	17	9.0	8.0	18	85	100	33	16	48
29	75	20	10	16	---	8.0	19	80	248	37	16	58
30	98	19	10	15	---	8.0	21	75	140	34	16	60
31	75	---	10	14	---	8.0	---	79	---	31	16	---
TOTAL	1925	1065	424	332.0	311.0	264.0	714.0	2074	3231	2304	702	1502
MEAN	62.1	35.5	13.7	10.7	11.1	8.52	23.8	66.9	108	74.3	22.6	50.1
MAX	130	65	20	20	15	9.0	56	120	248	130	30	94
MIN	31	19	10	8.0	9.0	8.0	8.0	24	79	31	16	16
CFSM	7.04	4.02	1.55	1.21	1.26	.97	2.70	7.59	12.2	8.42	2.56	5.68
IN.	8.12	4.49	1.79	1.40	1.31	1.11	3.01	8.75	13.63	9.72	2.96	6.33
AC-FT	3820	2110	841	659	617	524	1420	4110	6410	4570	1390	2980

WTR YR 1975 TOTAL 14848.0 MEAN 40.7 MAX 248 MIN 8.0 CFSM 4.61 IN 62.62 AC-FT 29450

NOTE.--No gage-height record Jan. 12 to Apr. 14.

15296550 Upper Thumb River near Larsen Bay

LOCATION.--Lat 57°21'03" long 153°58'04", in NE¼NE¼ sec.1, T.33 S., R.30 W., Kodiak Island Borough, Kodiak National Wildlife Refuge, on Kodiak Island, on right bank 0.2 mi (0.3 km) downstream from confluence of East and North Forks, 0.3 mi (0.5 km) upstream from mouth at Thumb Lake, and 13 mi (21 km) south of Larsen Bay.

DRAINAGE AREA.--18.8 mi² (48.7 km²).

PERIOD OF RECORD.--July 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 380 ft (116 m) from topographic map.

EXTREMES.--July to September 1974: Maximum discharge during this period, 720 ft³/s (20.4 m³/s) Sept. 25, gage height, 2.49 ft (0.759 m), from rating curve extended above 230 ft³/s (6.5 m³/s); minimum, 18 ft³/s (0.51 m³/s) Aug. 21, 22, gage height, 0.65 ft (0.198 m).

Water year 1975: Maximum discharge, 950 ft³/s (26.9 m³/s) June 29, gage height, 2.85 ft (0.869 m), from rating curve extended above 230 ft³/s (6.5 m³/s); minimum, 8.1 ft³/s (0.23 m³/s) Mar. 19, Apr. 3, gage height, 0.53 ft (0.162 m).

REMARKS.--Records good except those above 300 ft³/s (8 m³/s) and below 10 ft³/s (0.3 m³/s), which are fair. Records of chemical analyses and water temperatures for the period July to September 1974 and for water year 1975 are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	JUL	AUG	SEP
1	25	110	9	24	36	17	19	76	25	---	19	498
2	24	79	10	23	35	18	19	98	26	---	19	270
3	24	66	11	23	38	19	19	76	27	28	115	185
4	23	57	12	22	40	20	19	72	28	28	52	138
5	23	48	13	22	37	21	18	62	29	27	92	110
6	23	43	14	21	47	22	18	53	30	26	79	98
7	24	42	15	21	53	23	19	49	31	25	110	---
8	23	38	16	20	56	24	21	193				

AUGUST TOTAL 1003 MEAN 32.3 MAX 115 MIN 18 CFSM 1.72 IN 1.98 AC-FT 1990
SEPTEMBER TOTAL 2801 MEAN 93.3 MAX 498 MIN 35 CFSM 4.97 IN 5.54 AC-FT 5560

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	[illegible]	AUG	SEP
1	85	122	23	13	16	10	9.0	24	232	315	63	26
2	76	104	23	13	16	10	9.0	30	228	290	60	27
3	69	90	18	12	17	10	8.9	43	236	325	56	28
4	98	77	23	12	16	10	10	48	205	285	54	26
5	150	69	26	12	15	10	16	42	189	250	57	41
6	159	60	23	12	14	9.8	16	38	189	265	52	48
7	130	58	22	12	12	9.8	14	44	173	300	50	41
8	112	54	20	12	12	10	14	53	185	285	47	69
9	100	48	19	12	12	9.8	18	69	295	275	43	56
10	90	42	21	12	12	9.8	21	156	241	280	42	156
11	81	42	19	12	12	9.5	21	228	228	260	40	98
12	77	77	20	12	12	9.5	19	173	223	228	41	77
13	83	88	19	12	12	9.5	18	185	228	173	42	64
14	86	104	17	12	11	9.5	22	189	214	156	40	57
15	81	83	16	13	11	9.3	32	156	218	150	42	56
16	74	69	14	14	11	9.3	60	130	285	132	40	58
17	68	58	17	17	11	9.1	54	125	270	128	38	86
18	63	50	18	17	11	9.1	45	128	362	120	38	98
19	57	40	16	16	11	8.9	36	128	392	118	41	121
20	53	43	13	14	11	9.1	36	115	310	110	41	165
21	74	43	16	13	11	8.7	35	106	362	110	36	138
22	72	36	19	16	11	8.9	30	88	452	106	33	118
23	92	33	18	18	11	8.7	28	88	416	122	32	96
24	218	29	16	17	11	8.5	27	98	315	110	31	85
25	335	33	13	19	11	8.7	24	169	290	100	30	79
26	236	29	14	30	11	8.9	21	218	285	88	29	77
27	162	29	14	25	11	9.3	21	210	362	86	28	68
28	122	28	14	24	10	9.1	19	197	519	81	27	69
29	147	27	14	22	---	8.9	21	177	770	85	27	85
30	285	25	14	17	---	9.0	23	156	446	77	26	106
31	159	---	13	16	---	9.0	---	177	---	70	26	---
TOTAL	3694	1690	552	478	342	289.7	727.9	3788	9080	5480	1252	2275
MEAN	119	56.3	17.8	15.4	12.2	9.35	24.3	122	303	177	40.4	75.8
MAX	335	122	26	30	17	10	60	228	770	325	63	165
MIN	53	25	13	12	10	8.5	8.9	24	173	70	26	26
CFSM	6.33	2.99	.95	.82	.65	.50	1.29	6.49	16.1	9.41	2.15	4.03
IN.	7.31	3.34	1.09	.95	.68	.57	1.44	7.50	17.97	10.84	2.48	4.50
AC-FT	7330	3350	1090	948	678	575	1440	7510	18010	10870	2480	4510

WTR YR 1975 TOTAL 29640.6 MEAN 81.2 MAX 770 MIN 8.5 CFSM 4.32 IN 58.66 AC-FT 58810

15297200 Myrtle Creek near Kodiak

LOCATION.--Lat 57°36'16", long 152°24'09", in SW¼ sec.6, T.30 S., R.19 W., Kodiak Island Borough, on Kodiak Island, on right bank 0.2 mi (0.3 km) upstream from mouth, and 13 mi (21 km) south of Kodiak.

DRAINAGE AREA.--4.74 mi² (12.28 km²).

PERIOD OF RECORD.--May 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 43.8 ft³/s (1.240 m³/s), 125.49 in/yr (3,187 mm/yr), 31,730 acre-ft/yr (39.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 500 ft³/s (14.2 m³/s) May 25, gage height, 3.65 ft (1.113 m); maximum gage height, 5.39 ft (1.643 m) Jan. 22, backwater from ice; minimum daily discharge, 5.0 ft³/s (0.14 m³/s) Jan. 7-14.

Period of record: Maximum discharge, 1,110 ft³/s (31.4 m³/s) Sept. 14, 1969, gage height, 5.02 ft (1.530 m), from rating curve extended above 310 ft³/s (8.8 m³/s) on the basis of slope-area measurements of peak flow; maximum gage height, 8.40 ft (2.560 m) Mar. 28, 1964, tidal wave caused by earthquake; minimum daily discharge, about 1.0 ft³/s (0.028 m³/s) Mar. 3-18, 1972.

REMARKS.--Records fair except those for Dec. 12 to Apr. 20, which are poor. Periodic high tides cause backwater at the gage and are shown on the stage record.

REVISIONS (WATER YEARS).--WRD Alaska, 1968: 1966-67 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	75	29	8.0	19	11	8.0	46	215	54	24	10
2	14	68	24	7.0	18	11	8.0	52	140	48	22	9.5
3	14	52	20	7.0	17	11	8.0	59	120	90	20	10
4	25	42	29	6.0	16	11	8.0	56	105	80	19	18
5	27	43	68	6.0	16	11	9.0	45	98	66	19	14
6	22	32	49	6.0	15	11	9.0	34	84	65	19	14
7	19	67	36	5.0	15	11	10	51	76	72	17	12
8	17	89	30	5.0	14	11	9.0	107	164	61	16	17
9	16	45	24	5.0	14	11	8.0	202	349	59	16	15
10	19	31	27	5.0	14	11	10	220	140	51	14	61
11	15	25	25	5.0	13	10	12	215	97	40	41	46
12	18	28	20	5.0	13	10	10	122	178	34	155	30
13	39	33	15	5.0	13	10	8.0	223	198	31	136	24
14	42	36	10	5.0	13	10	7.0	231	118	36	64	21
15	34	30	11	10	12	10	10	105	98	51	66	19
16	28	25	12	20	12	10	15	95	94	41	51	17
17	24	22	15	50	12	9.0	20	98	84	35	38	30
18	22	17	20	70	12	9.0	17	98	81	31	32	25
19	19	15	15	60	12	8.0	15	84	80	35	34	92
20	22	15	12	50	12	8.0	16	116	75	40	29	98
21	117	16	12	100	11	7.0	18	94	82	31	24	54
22	69	13	13	250	11	7.0	18	61	94	35	22	48
23	125	11	15	200	11	7.0	21	55	78	194	19	39
24	78	10	13	70	11	7.0	26	98	65	122	18	30
25	61	10	12	42	11	7.0	24	416	69	90	16	57
26	48	9.5	11	61	11	7.0	21	277	66	66	16	104
27	57	91	10	37	11	8.0	19	200	84	51	15	72
28	55	175	10	29	11	8.0	18	126	97	36	13	225
29	119	61	9.0	24	---	8.0	20	97	126	35	12	294
30	275	36	9.0	22	---	8.0	20	84	69	30	11	115
31	95	---	8.0	20	---	8.0	---	104	---	27	13	---
TOTAL	1547	1224.5	613.0	1195.0	370	286.0	430.0	3935	3424	1737	1011	1612.5
MEAN	49.9	40.8	19.8	38.5	13.2	9.23	14.3	127	114	56.0	32.6	53.8
MAX	275	175	68	250	19	11	28	416	349	194	155	294
MIN	14	9.5	8.0	5.0	11	7.0	7.0	34	65	27	11	9.5
CFSM	10.5	8.61	4.18	8.12	2.78	1.95	3.02	26.8	24.1	11.8	6.88	11.4
IN.	12.14	9.61	4.81	9.38	2.90	2.24	3.37	30.88	26.87	13.63	7.93	12.65
AC-FT	3070	2430	1220	2370	734	567	853	7810	6790	3450	2010	3200

CAL YR 1974 TOTAL 15675.5 MEAN 42.9 MAX 436 MIN 5.5 CFSM 9.05 IN 123.00 AC-FT 31090
WTR YR 1975 TOTAL 17385.0 MEAN 47.6 MAX 416 MIN 5.0 CFSM 10.0 IN 136.41 AC-FT 34480

PEAK DISCHARGE (BASE, 550 CFS).--No peak above base.
NOTE.--No gage-height record Dec. 16 to Jan. 15 and Jan. 30 to Apr. 20.

15297470 Monashka Creek near Kodiak

LOCATION.--Lat 57°50'34", long 152°26'44", in NE¼ sec.13, T.27 S., R.20 W., Kodiak Island Borough, on Kodiak Island, on right bank 0.1 mi (0.2 km) downstream from unnamed tributary, 0.2 mi (0.3 km) upstream from Virginia Creek, and 4.0 mi (6.4 km) northwest of Kodiak.

DRAINAGE AREA.--5.51 mi^2 (14.27 km^2).

PERIOD OF RECORD.--July 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 460 ft^3/s (13.0 m^3/s) Aug. 12, gage height, 9.50 ft (2.896 m); maximum gage height, 9.70 ft (2.957 m) Dec. 30, backwater from tide; minimum discharge, 1.8 ft^3/s(0.051 m^3/s) Sept. 15, 16, gage height, 6.69 ft (2.039 m), but may have been less during period of no gage-height record.

Period of record: Maximum discharge, 562 ft^3/s (15.9 m^3/s) Aug. 3, 1972, gage height, 9.84 ft (3.000 m); maximum gage height, 10.08 ft (3.072 m) Oct. 23, 1972, backwater from tide; minimum discharge recorded, 1.8 ft^3/s (0.051 m^3/s) Oct. 15, 1973 and Sept. 15, 16, 1975, but may have been less during periods of no gage height record.

REMARKS.--Records good except those for Dec. 20 to Mar. 4 and those below about 4 ft^3/s (0.1 m^3/s), which are poor. Discharge data represent net flow remaining after intermittent diversion to Pillar Creek reservoir for municipal supply of Kodiak. Diversion began September 1973. Average diversion for water year 1975, 3.6 ft^3/s (0.10 m^3/s). Periodic high tides cause backwater at the gage and are shown on the stage record. Records of chemical analyses and suspended sediment loads for the current year are published in Section 2 of this report.

COOPERATION.--Records of diversion furnished by city of Kodiak.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEM[illegible] 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	128	36	8.0	16	9.0	6.2	48	205	56	22	12
2	17	99	27	7.0	14	9.0	6.5	50	122	56	17	9.5
3	15	69	22	7.0	13	9.0	5.9	54	106	98	15	4.8
4	15	59	26	6.0	12	9.0	5.5	53	96	96	14	3.3
5	19	72	54	6.0	11	9.0	6.8	47	93	70	14	2.7
6	19	53	44	6.0	11	8.5	7.2	37	85	61	12	2.5
7	17	53	34	5.0	10	8.2	7.8	33	80	66	14	2.3
8	16	118	28	5.0	10	7.8	6.8	93	118	80	12	2.6
9	12	64	26	5.0	10	7.8	6.2	188	225	78	8.2	3.0
10	14	44	27	5.0	10	9.0	8.5	203	161	58	6.8	4.6
11	14	37	22	5.0	10	7.5	11	196	118	47	59	4.4
12	14	31	14	5.0	10	7.5	7.5	122	156	41	320	3.9
13	26	31	10	5.0	10	8.5	5.5	159	214	37	130	2.9
14	34	29	8.5	5.0	10	8.5	5.2	191	151	39	62	2.0
15	21	22	12	10	10	7.8	7.5	117	125	48	52	1.8
16	22	22	12	20	10	7.5	15	104	112	42	46	1.8
17	22	20	16	50	10	7.5	21	98	101	31	36	2.3
18	22	19	25	80	10	7.2	12	98	94	29	40	1.9
19	19	17	15	70	10	5.5	7.5	88	98	30	85	2.7
20	17	17	12	60	10	4.6	10	118	94	30	64	5.9
21	72	18	12	100	9.0	4.2	22	112	101	27	42	6.5
22	59	12	16	200	9.0	4.4	26	67	88	28	30	7.2
23	86	11	17	150	9.0	4.8	25	58	82	151	23	7.2
24	82	12	11	100	9.0	5.9	23	90	83	185	19	7.8
25	70	13	12	70	9.0	5.9	19	299	83	109	17	22
26	58	10	11	50	9.0	5.9	18	231	78	72	15	75
27	135	61	10	40	9.0	5.9	16	168	75	52	12	37
28	168	176	10	30	9.0	5.9	15	120	75	39	8.2	136
29	176	85	10	25	---	6.2	19	94	85	36	7.2	122
30	348	50	10	20	---	6.2	26	78	62	31	6.8	70
31	160	---	9.0	18	---	6.2	---	111	---	27	11	---
TOTAL	1785	1452	598.5	1173.0	289.0	219.9	378.6	3525	3366	1850	1220.2	567.6
MEAN	57.6	48.4	19.3	37.8	10.3	7.09	12.6	114	112	59.7	39.4	18.9
MAX	348	176	54	200	16	9.0	26	299	225	185	320	136
MIN	12	10	8.5	5.0	9.0	4.2	5.2	33	62	27	6.8	1.8
AC-FT	3540	2880	1190	2330	573	436	751	6990	6680	3670	2420	1130

CAL YR 1974 TOTAL 15736.3 MEAN 43.1 MAX 348 MIN 3.7 AC-FT 31210
WTR YR 1975 TOTAL 16424.6 MEAN 45.0 MAX 348 MIN 1.8 AC-FT 32580

15297470 Monashka Creek near Kodiak--Continued

ADJUSTED TO INCLUDE DIVERSION

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	59.3	51.0	21.2	39.7	13.3	7.09	13.2	118	118	67.1	48.4	25.2
CFSM	10.8	9.26	3.85	7.21	2.41	1.29	2.40	21.4	21.4	12.2	8.78	4.57
IN.	12.41	10.33	4.44	8.32	2.52	1.48	2.68	24.59	23.81	14.03	10.12	5.11
AC-FT	3,650	3,040	1,310	2,440	740	436	789	7,230	7,000	4,120	2,970	1,500

CAL YR 1974 MEAN 44.9 CFSM 8.15 IN 110.63 AC-FT 32,510
WTR YR 1975 MEAN 48.6 CFSM 8.82 IN 119.86 AC-FT 35,220

NOTE.--No gage-height record Jan. 5 to Mar. 4.

PEAK DISCHARGE (BASE, 280 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
JULY-SEPT 1972				1974WY				1975WY			
08-03	2400	9.84	562	09-08	2100	9.66	508	10-30	0100	9.27	402
08-22	0500	9.80	550	09-19	1400	9.05	348	05-25	1100	9.05	348
1973WY								07-24	0130	8.84	295
10-23	1330	a10.08	about 420					08-12	0430	9.50	460
11-16	0900	8.78	281								

a Backwater from high tide.

SOUTHWEST ALASKA

15297690 White Alice Creek on Amchitka Island
(Discontinued in 1974)

CORRECTION.--Corrected figures of discharge, in cubic feet per second, for water year 1973, superseding the figures incorrectly published in WRD Alaska 1974, are given herewith. The wrong table was published.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.02	1.4	2.0	3.9	2.6	1.6	1.4	1.4	1.3	1.6	3.1
2	.02	.02	1.3	1.9	6.9	2.5	2.0	1.4	1.4	1.3	1.4	3.0
3	.02	.01	1.4	2.2	13	2.5	4.0	1.3	1.4	1.3	1.3	3.0
4	.02	.06	1.2	2.1	9.0	2.9	2.9	1.2	1.4	1.1	1.3	2.8
5	.02	.26	1.1	1.9	7.5	3.4	2.6	1.4	1.4	1.0	1.3	2.8
6	.02	.40	1.1	1.8	4.4	3.2	2.4	1.3	1.4	.94	1.3	2.7
7	.03	.15	1.0	1.7	3.2	3.6	2.2	1.2	1.3	1.1	1.2	2.6
8	.03	.19	1.1	1.7	2.7	4.0	2.1	1.2	1.3	1.3	1.2	2.5
9	.02	.02	1.3	1.7	2.3	3.4	1.9	1.2	1.2	1.1	1.1	2.7
10	.03	.01	1.4	1.9	1.9	3.0	1.7	1.4	1.2	.96	1.1	2.9
11	.04	.31	1.4	2.0	1.6	2.6	1.5	1.4	1.2	.90	1.1	2.7
12	.05	.35	1.3	1.8	1.5	2.7	1.3	1.7	1.2	.84	1.1	2.6
13	.07	.09	1.4	1.9	1.4	2.5	1.3	1.7	1.2	.80	1.2	2.8
14	.09	.02	1.6	2.2	1.1	2.2	1.2	1.4	1.1	.80	1.5	2.7
15	.09	.02	1.5	2.1	1.1	3.0	1.2	1.4	1.0	.80	1.8	2.5
16	.06	.06	1.4	2.0	1.0	3.4	1.2	1.4	1.0	.78	1.7	2.4
17	.09	.09	1.3	1.9	.92	3.1	1.2	1.4	.90	1.0	2.0	2.4
18	.09	.06	1.3	1.9	.60	2.9	1.1	1.9	1.1	2.0	2.1	2.4
19	.06	.09	1.2	1.8	.92	2.7	1.1	1.7	1.3	1.7	2.1	2.4
20	.02	.06	1.4	1.9	.70	3.2	1.1	1.4	1.3	1.5	2.1	2.4
21	.02	.02	1.3	1.9	.75	3.4	1.0	1.7	1.1	1.7	2.0	2.2
22	.01	.02	1.2	1.9	1.4	3.1	1.0	1.7	1.0	1.5	2.8	2.2
23	.01	.02	1.2	1.7	1.7	3.5	.95	1.7	1.0	1.8	2.0	2.1
24	.01	.02	2.0	1.6	1.7	3.9	.95	1.7	.90	1.9	1.2	2.0
25	.01	.02	2.2	1.5	1.7	4.2	1.8	1.7	.90	1.5	3.0	1.9
26	.19	.06	2.1	4.2	1.6	3.5	2.0	1.7	1.1	1.4	3.1	1.9
27	.02	.15	2.2	5.7	3.0	2.5	1.6	1.6	1.9	1.2	3.0	1.8
28	.09	.15	2.0	5.7	2.7	1.9	1.5	1.6	1.6	1.1	2.9	1.9
29	.02	.55	1.9	4.9	-------	1.7	1.4	1.5	1.5	1.3	2.9	2.6
30	.02	1.1	2.5	4.4	-------	1.6	1.4	1.4	1.4	1.1	2.8	2.1
31	.15	-------	2.2	3.5	-------	1.5	-------	1.4	-------	1.1	2.6	-------
TOTAL	1.51	4.40	46.9	75.4	80.19	90.2	49.20	46.1	37.10	38.12	57.8	74.1
MEAN	.049	.15	1.51	2.43	2.86	2.91	1.64	1.49	1.24	1.23	1.86	2.47
MAX	.19	1.1	2.5	5.7	13	4.2	4.0	1.9	1.9	2.0	3.1	3.1
MIN	.01	.01	1.0	1.5	.60	1.5	.95	1.2	.90	.78	1.1	1.8
CFSM	.06	.19	1.91	3.08	3.62	3.68	2.08	1.89	1.57	1.56	2.35	3.13
IN.	.07	.21	2.21	3.55	3.78	4.25	2.32	2.17	1.75	1.80	2.72	3.49
AC-FT	3.0	8.7	93	150	159	179	98	91	74	76	115	147

CAL YR 1972 TOTAL 80.79 MEAN .22 MAX 2.5 MIN .01 CFSM .28 IN 3.80 AC-FT 160
WTR YR 1973 TOTAL 601.02 MEAN 1.65 MAX 13 MIN .01 CFSM 2.09 IN 28.30 AC-FT 1,190

15297900 Eskimo Creek at King Salmon

LOCATION.--Lat 58°41'08", long 156°40'08", in SW¼ sec.23, T.17 S., R.44 W., on left bank 30 ft (9.1 m) upstream from culvert on King Salmon-Naknek road, 0.3 mi (0.5 km) upstream from mouth, and 0.3 mi (0.5 km) northwest of King Salmon post office.

DRAINAGE AREA.--16.1 mi² (41.7 km²).

PERIOD OF RECORD.--Annual maximums, water years 1965-73. October 1973 to current year.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 20 ft (6 m) from topographic map. Prior to Oct. 18, 1973, crest-stage gage on right bank at datum 2.69 ft (0.820 m) lower.

EXTREMES.--Current year: Maximum discharge, 184 ft³/s (5.21 m³/s) May 8, gage height, 9.48 ft (2,890 m); minimum daily, about 5.0 ft³/s (0.14 m³/s) Jan. 4-7.

Period of record: Maximum discharge, 227 ft³/s (6.43 m³/s) June 1967, gage height, 8.51 ft (2.594 m), present datum, from rating curve extended above 40 ft³/s (1.1 m³/s) on basis of computation of peak flow through culvert; minimum daily, 3 ft³/s (0.085 m³/s) Feb. 19-24, 1974.

REMARKS.--Records poor prior to May 6 and fair thereafter.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	7.5	6.0	6.0	7.0	7.0	80	12	18	8.2	7.5
2	10	11	7.5	5.5	6.0	7.0	7.0	100	11	16	7.8	8.0
3	10	10	7.5	5.5	5.5	7.0	7.5	120	11	15	7.3	8.6
4	12	10	7.5	5.0	5.5	7.0	7.5	110	11	14	7.0	8.8
5	13	9.5	7.5	5.0	5.5	7.0	8.0	105	13	13	7.1	11
6	14	8.8	7.5	5.0	5.5	7.0	7.5	105	14	12	7.1	18
7	14	8.7	7.5	5.0	5.5	7.0	7.5	107	14	11	7.0	20
8	14	8.8	7.5	5.5	5.5	6.5	7.0	137	13	10	7.3	20
9	13	8.0	7.5	5.5	5.5	6.5	7.0	144	11	9.7	7.1	20
10	13	7.8	7.5	5.5	5.5	6.5	7.0	112	10	9.1	7.0	24
11	12	7.7	7.0	5.5	5.5	6.5	7.0	96	9.7	8.4	6.6	28
12	11	9.0	7.0	6.0	5.5	6.5	7.0	76	9.1	7.6	7.0	29
13	12	10	7.0	6.0	5.5	6.0	7.5	62	8.9	8.2	6.6	27
14	11	11	7.0	6.0	5.5	6.0	7.5	54	8.4	8.2	6.3	24
15	12	11	7.0	6.0	5.5	6.0	7.5	45	8.2	7.6	6.4	21
16	11	10	7.0	6.0	5.5	6.0	8.0	37	8.4	7.1	6.4	21
17	11	9.5	7.0	6.0	5.5	6.0	8.0	32	8.8	7.8	6.3	25
18	10	9.5	7.0	6.5	5.5	6.0	8.5	28	9.1	7.5	6.0	30
19	9.4	9.0	7.0	6.5	5.5	6.0	9.0	22	14	7.1	6.1	33
20	9.0	9.0	7.0	6.5	5.5	5.5	10	19	17	6.8	6.4	33
21	9.3	8.5	7.0	6.5	6.0	5.5	12	17	17	6.6	6.3	33
22	15	8.5	7.0	6.5	6.0	5.5	25	17	17	7.0	6.1	31
23	16	8.5	7.0	6.5	6.0	5.5	30	17	17	6.8	6.1	28
24	18	8.0	6.5	6.5	6.0	6.0	50	16	19	6.3	5.7	26
25	17	8.0	6.5	6.5	6.0	6.0	68	16	23	6.1	5.8	24
26	16	8.0	6.5	6.0	6.0	6.5	60	16	28	6.8	5.8	22
27	15	8.0	6.5	6.0	6.0	7.0	58	15	30	6.6	6.0	21
28	14	8.0	6.5	6.0	6.5	7.0	52	14	28	6.6	5.8	20
29	14	8.0	6.0	6.0	---	7.5	58	13	26	7.1	6.0	19
30	12	7.5	6.0	6.0	---	7.5	65	13	21	8.6	6.4	19
31	12	---	6.0	6.0	---	7.0	---	12	---	8.8	6.8	---
TOTAL	390.7	271.3	216.5	183.0	159.5	200.0	623.0	1757	447.6	281.4	203.8	659.9
MEAN	12.6	9.04	6.98	5.90	5.70	6.45	20.8	56.7	14.9	9.08	6.57	22.0
MAX	18	12	7.5	6.5	6.5	7.5	68	144	30	18	8.2	33
MIN	9.0	7.5	6.0	5.0	5.5	5.5	7.0	12	8.2	6.1	5.7	7.5
CFSM	.78	.56	.43	.37	.35	.40	1.29	3.52	.93	.56	.41	1.37
IN.	.90	.63	.50	.42	.37	.46	1.44	4.06	1.03	.65	.47	1.52
AC-FT	775	538	429	363	316	397	1240	3490	888	558	404	1310

CAL YR 1974 TOTAL 4060.2 MEAN 11.1 MAX 90 MIN 3.0 CFSM .69 IN 9.38 AC-FT 8050
WTR YR 1975 TOTAL 5393.7 MEAN 14.8 MAX 144 MIN 5.0 CFSM .92 IN 12.46 AC-FT 10700

NOTE.--No gage-height record Nov. 15 to May 5.

15300500 Kvichak River at Igiugig

LOCATION.--Lat 59°19'44", long 155°53'57", in NE¼ sec.7, T.10 S., R.39 W., on left bank, 0.7 mi (1.1 km) downstream from outlet of Iliamna Lake at Igiugig.

DRAINAGE AREA.--6,500 mi² (16,800 km²), approximately.

PERIOD OF RECORD.--August 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 45 ft (14 m) from topographic map. Prior to Oct. 1, 1969, nonrecording gage at site 1,500 ft (460 m) upstream at different datum.

AVERAGE DISCHARGE.--8 years, 16,730 ft³/s (473.8 m³/s), 34.95 in/yr (888 mm/yr), 12,120,000 acre-ft/yr (14.9 km³/yr).

EXTREMES.--Current year: Maximum discharge, 26,800 ft³/s (759 m³/s) Sept. 9, gage height, 21.33 ft (6.501 m); maximum gage height, 21.38 ft (6.517 m) Nov. 27, backwater from ice; minimum daily discharge, 9,000 ft³/s (255 m³/s) Mar. 1 to Apr. 30.
Period of record: Maximum daily discharge, 43,000 ft³/s (1,220 m³/s) Sept. 21, 22, 1967; minimum daily, 6,400 ft³/s (181 m³/s) Apr. 21, 22, 1969.

REMARKS.--Records good except those for Nov. 27 to May 30, which are fair. Discharge affected by storage in Lake Iliamna and Lake Clark and other smaller lakes covering over 1,100 mi² (2,800 km²).

REVISIONS(WATER YEARS).--WRD Alaska 1970: 1967-69.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18200	17200	15500	13000	11000	9000	9000	9500	10600	16500	23100	23200
2	18000	17200	15000	13000	11000	9000	9000	9500	10600	17300	23200	23400
3	19000	16900	15000	13000	11000	9000	9000	9500	10900	17300	23300	23400
4	20000	17200	15000	13000	11000	9000	9000	9500	11000	17200	23100	23200
5	18700	16800	15000	13000	11000	9000	9000	9500	11400	17500	23400	23900
6	18600	17000	15000	13000	10500	9000	9000	9500	11400	17900	23400	23000
7	18200	17400	15000	13000	10500	9000	9000	9500	11700	17800	23500	23700
8	18300	16900	15000	13000	10500	9000	9000	9500	12000	17900	23400	23900
9	18200	16100	15000	13000	10500	9000	9000	9500	12200	18300	23000	25100
10	18300	16400	15000	13000	10500	9000	9000	9500	12000	18800	23400	24700
11	18100	16900	14000	12000	10000	9000	9000	9500	12300	19200	24100	24100
12	18600	16600	14000	12000	10000	9000	9000	9500	12400	19100	23700	24200
13	18400	16800	14000	12000	10000	9000	9000	9500	12600	19500	23600	23900
14	18100	16400	14000	12000	10000	9000	9000	9500	12600	20500	23000	24100
15	17800	16300	14000	12000	10000	9000	9000	9500	12700	[illegible]	23200	24200
16	18000	16600	14000	12000	10000	9000	9000	9500	13200	20500	23500	24600
17	17800	16300	14000	12000	10000	9000	9000	9500	13200	20500	24100	25800
18	17400	16100	14000	12000	9800	9000	9000	9500	13500	20500	24200	24500
19	17300	16200	14000	12000	9800	9000	9000	9500	13600	20900	23700	25300
20	18500	16500	14000	12000	9800	9000	9000	9500	13700	21200	23400	25500
21	18100	16000	14000	12000	9800	9000	9000	9500	14000	21200	23400	25300
22	17400	16000	14000	12000	9800	9000	9000	9500	14000	21500	23800	25600
23	18300	16000	14000	12000	9500	9000	9000	9500	14200	21300	24200	25300
24	18200	16000	14000	12000	9500	9000	9000	9500	14600	21900	23200	25400
25	17500	15800	14000	12900	9500	9000	9000	9500	14800	21800	22800	25400
26	17500	15900	13000	11500	9500	9000	9000	10000	15200	21400	22500	25300
27	17200	15500	13000	11500	9500	9000	9000	10000	15400	21100	22800	25600
28	17500	15500	13000	11500	9500	9000	9000	10000	16000	21800	23200	25800
29	17600	15500	13000	11500	---	9000	9000	10000	16200	22700	23200	25800
30	17100	15500	13000	11500	---	9000	9000	10300	16200	23100	23000	25600
31	17400	---	13000	11000	---	9000	---	10400	---	22800	23100	---
TOTAL	558500	491500	438500	378500	283500	279000	270000	290200	395000	619300	724500	738800
MEAN	18020	16380	14150	12210	10130	9000	9000	9619	13170	19980	23370	24630
MAX	20000	17400	15500	13000	11000	9000	9000	10400	16200	23100	24200	25800
MIN	17100	15500	13000	11000	9500	9000	9000	9500	10600	16500	22500	23000
CFSM	2.77	2.52	2.18	1.88	1.56	1.38	1.38	1.48	2.03	3.07	3.60	3.79
IN.	3.20	2.81	2.51	2.17	1.62	1.60	1.55	1.71	2.26	3.54	4.15	4.23
AC-FT	1108000	974900	869800	750800	562300	553400	535500	591500	783500	1228000	1437000	1465000

CAL YR 1974 TOTAL 4579260 MEAN 12550 MAX 20000 MIN 7000 CFSM 1.93 IN 26.21 AC-FT 9083000
WTR YR 1975 TOTAL 5475300 MEAN 15000 MAX 25800 MIN 9000 CFSM 2.31 IN 31.34 AC-FT 10860000

NOTE.--No gage-height record Dec. 14 to May 29.

15302000 Nuyakuk River near Dillingham

LOCATION.--Lat 59°56'04", long 158°11'05", in NE¼ sec.10, T.3 S., R.52 W., on left bank, 1,000 ft (300 m) downstream from Tikchik Lake, 0.5 mi (0.8 km) upstream from unnamed tributary, and 62 mi (100 km) north of Dillingham.

DRAINAGE AREA.--1,490 mi^2 (3,860 km^2), approximately.

PERIOD OF RECORD.--May 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 325 ft (99 m) from topographic map. Prior to Oct. 1, 1957, at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--22 years, 5,865 ft^3/s (166.1 m^3/s), 53.45 in/yr (1,358 mm/yr), 4,249,000 acre-ft/yr (5.24 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 18,700 ft^3/s (530 m^3/s) June 30, gage height, 7.49 ft (2.283 m); minimum daily, about 1,600 ft^3/s (45.3 m^3/s) Mar. 21 to Apr. 20.

Period of record: Maximum discharge, 30,000 ft^3/s (850 m^3/s) June 20, 21, 1969, gage height, 10.01 ft (3.051 m), in gage well, 10.70 ft (3.261 m), from floodmarks; minimum daily, about 770 ft^3/s (21.8 m^3/s) Apr. 16-30, 1960.

REMARKS.--Records good except those for Nov. 26 to June 11, which are poor. Discharge affected by storage in Tikchik Lake, Nuyakuk Lake, Lake Chanekuktuli, and other smaller lakes in the basin covering over 170 mi^2 (440 km^2).

REVISIONS (WATER YEARS).--WRD Alaska 1971: 1970. WRD Alaska 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8090	5770	3200	2200	1900	1700	1600	1900	7000	18600	9750	5200
2	7830	5680	3200	2200	1900	1700	1600	1900	7000	18400	9570	5150
3	7670	5550	3200	2200	1900	1700	1600	2000	7500	18200	9280	5080
4	7770	5420	3200	2200	1900	1700	1600	2000	7500	18100	9020	4920
5	7850	5310	3000	2200	1900	1700	1600	2000	8000	17800	8810	4860
6	7910	5130	3000	2200	1900	1700	1600	2200	8500	17400	8510	5130
7	7800	5110	3000	2200	1900	1700	1600	2200	9000	17100	8220	5110
8	7740	5110	3000	2200	1800	1700	1600	2400	9500	16900	7990	5080
9	7620	5170	3000	2200	1800	1700	1600	2400	10000	16500	7790	5010
10	7520	5170	2800	2200	1800	1700	1600	2600	11000	16100	7630	5170
11	7380	4800	2800	2200	1800	1700	1600	2600	11500	16100	7270	5400
12	7200	4850	2800	2200	1800	1700	1600	2800	13400	15900	6950	5580
13	7220	4840	2800	2000	1800	1700	1600	3000	13900	15700	6930	5620
14	7080	4950	2800	2000	1800	1700	1600	3200	14400	15300	7080	5580
15	6990	4770	2800	2000	1800	1700	1600	3400	15100	15100	7020	5580
16	6810	4660	2600	2000	1800	1700	1600	3600	15700	14700	6850	5580
17	6710	4570	2600	2000	1800	1700	1600	3800	16200	14300	6730	5760
18	6460	4480	2600	2000	1800	1700	1600	4000	16700	14000	6470	6150
19	6230	4370	2600	2000	1800	1700	1600	4200	17100	13600	6380	6590
20	6110	4280	2600	2000	1800	1700	1600	4400	17300	13200	6390	7020
21	6090	4190	2600	2000	1800	1600	1700	4600	17600	12900	6300	7700
22	5980	4090	2600	2000	1800	1600	1700	4800	17900	12600	6230	8100
23	5920	3950	2400	2000	1700	1600	1700	5000	18130	12400	6120	8510
24	6030	3830	2400	2000	1700	1600	1700	5000	18100	12000	5970	8760
25	6110	3740	2400	2000	1700	1600	1700	5000	18000	11600	5860	8860
26	6300	3600	2400	2000	1700	1600	1800	5500	17800	11400	5790	8890
27	6230	3600	2400	2000	1700	1600	1800	5500	17600	11100	5670	8980
28	6200	3400	2400	2000	1700	1600	1800	6000	17500	10700	5520	8890
29	6150	3400	2400	1900	---	1600	1800	6000	18300	10400	5380	8820
30	5940	3400	2400	1900	---	1600	1900	6500	18600	10300	5320	8710
31	5820	---	2400	1900	---	1600	---	6500	---	10100	5250	---
TOTAL	212760	137190	84400	64100	50500	51600	49600	117000	415800	448500	218050	195790
MEAN	6863	4573	2723	2068	1804	1665	1653	3774	13860	14470	7034	6526
MAX	8090	5770	3200	2200	1900	1700	1900	6500	18600	18600	9750	8900
MIN	5820	3400	2400	1900	1700	1600	1600	1900	7000	10100	5250	4860
CFSM	4.61	3.07	1.83	1.39	1.21	1.12	1.11	2.53	9.30	9.71	4.72	4.38
IN.	5.31	3.43	2.11	1.60	1.26	1.29	1.24	2.92	10.38	11.20	5.44	4.89
AC-FT	422000	272100	167400	127100	100200	102300	98380	232100	824700	889600	432500	388300

CAL YR 1974 TOTAL 1785330 MEAN 4891 MAX 13400 MIN 1500 CFSM 3.28 IN 44.57 AC-FT 3541000
WTR YR 1975 TOTAL 2045290 MEAN 5604 MAX 18600 MIN 1600 CFSM 3.76 IN 51.06 AC-FT 4057000

NOTE.--No gage-height record Nov. 26 to June 11.

15303100 East Creek near Dillingham

LOCATION.--Lat 59°11'39", long 158°49'17", in NE¼SW¼ sec.26, T.11 S., R.57 W., on right bank 0.5 mi (0.8 km) upstream from mouth at Lake Nunavugaluk, and 15 mi (24 km) northwest of Dillingham.

DRAINAGE AREA.--2.12 mi² (5.49 km²). A significantly larger area contributes to ground-water base flow.

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (27 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 41 ft³/s (1.16 m³/s) Sept. 17, gage height, 5.94 ft (1.811 m); maximum gage height, 6.10 ft (1.859 m) Nov. 11, backwater from ice; minimum daily discharge, 7 ft³/s (0.20 m³/s) Feb. 21 to Apr. 25.

Period of record: Maximum discharge, 41 ft³/s (1.16 m³/s) Sept. 17, 1975, gage height, 5.94 ft (1.811 m); maximum gage height, 6.10 ft (1.859 m) Nov. 11, 1974, backwater from ice; minimum daily discharge, 7 ft³/s (0.20 m³/s) Mar. 21 to Apr. 16, 1974 and Feb. 21 to Apr. 25, 1975.

REMARKS.--Records good except those for Nov. 10 to May 26, which are poor. Records of suspended-sediment loads and water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	16	12	8.0	7.0	7.0	9.0	32	26	18	12
2	18	20	16	12	8.0	7.0	7.0	9.0	31	25	18	12
3	19	20	16	12	8.0	7.0	7.0	9.0	30	25	18	12
4	34	20	16	12	8.0	7.0	7.0	10	30	24	17	12
5	26	20	16	12	8.0	7.0	7.0	10	31	24	17	26
6	23	20	16	10	8.0	7.0	7.0	10	30	24	17	16
7	22	20	16	10	8.0	7.0	7.0	10	31	24	16	14
8	22	20	16	10	8.0	7.0	7.0	12	30	24	16	13
9	22	19	16	10	8.0	7.0	7.0	12	30	23	16	17
10	22	19	16	10	8.0	7.0	7.0	12	30	23	16	22
11	22	19	14	10	8.0	7.0	7.0	14	30	27	16	19
12	22	18	14	10	8.0	7.0	7.0	14	28	24	16	16
13	23	18	14	10	8.0	7.0	7.0	16	28	23	16	15
14	24	18	14	10	8.0	7.0	7.0	16	28	24	16	16
15	22	18	14	10	8.0	7.0	7.0	18	28	23	15	16
16	22	18	14	10	8.0	7.0	7.0	18	28	22	15	17
17	21	18	14	10	8.0	7.0	7.0	20	28	22	15	30
18	21	18	14	10	8.0	7.0	7.0	20	28	22	15	25
19	21	18	14	10	8.0	7.0	7.0	22	28	22	17	23
20	21	18	14	10	8.0	7.0	7.0	24	27	22	16	27
21	21	16	12	9.0	7.0	7.0	7.0	26	27	22	14	25
22	22	16	12	9.0	7.0	7.0	7.0	28	27	21	14	24
23	24	16	12	9.0	7.0	7.0	7.0	30	28	21	14	24
24	24	16	12	9.0	7.0	7.0	7.0	30	26	21	14	24
25	23	16	12	9.0	7.0	7.0	7.0	30	26	21	14	24
26	22	16	12	9.0	7.0	7.0	8.0	32	26	20	14	24
27	21	16	12	9.0	7.0	7.0	8.0	32	26	20	13	24
28	21	16	12	9.0	7.0	7.0	8.0	31	27	19	13	24
29	21	16	12	9.0	---	7.0	8.0	30	27	20	13	24
30	21	16	12	9.0	---	7.0	9.0	30	26	19	13	24
31	21	---	12	9.0	---	7.0	---	31	---	18	12	---
TOTAL	686	539	432	309.0	216.0	217.0	216.0	615.0	852	695	474	601
MEAN	22.1	18.0	13.9	9.97	7.71	7.00	7.20	19.8	28.4	22.4	15.3	20.0
MAX	34	20	16	12	8.0	7.0	9.0	32	32	27	18	30
MIN	18	16	12	9.0	7.0	7.0	7.0	9.0	26	18	12	12
CFSM	10.4	8.49	6.56	4.70	3.64	3.30	3.40	9.34	13.4	10.6	7.22	9.43
IN.	12.03	9.45	7.58	5.42	3.79	3.81	3.79	10.79	14.94	12.19	8.31	10.54
AC-FT	1360	1070	857	613	428	430	428	1220	1690	1380	940	1190

CAL YR 1974 TOTAL 5408.0 MEAN 14.8 MAX 34 MIN 7.0 CFSM 6.98 IN 94.85 AC-FT 10730
WTR YR 1975 TOTAL 5852.0 MEAN 16.0 MAX 34 MIN 7.0 CFSM 7.55 IN 102.64 AC-FT 11610

PEAK DISCHARGE (BASE, 35 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
09-17-73	0300	5.78	38	05-26-75	1930	5.74	38
10-17-73	0200	5.69	35	09-05-75	1230	5.69	35
10-04-74	0730	5.92	40	09-17-75	0830	5.94	41

NOTE.--No gage-height record Dec. 23 to May 26.

15303150 Snake River near Dillingham

LOCATION.--Lat 59°08'54", long 158°53'14", in NW¼SW¼ sec.9, T.12 S., R.57 W., on right bank at outlet of Lake Nunavaugaluk, 15 mi (24 km) northwest of Dillingham.

DRAINAGE AREA.--113 mi^2 (293 km^2).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 34 ft (10.4 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 1,620 ft^3/s (45.9 m^3/s) June 8, gage height, 5.95 ft (1.814 m); minimum daily, about 160 ft^3/s (4.53 m^3/s) Jan. 6-25 and Apr. 1-23.

Period of record: Maximum discharge, 1,620 ft^3/s (45.9 m^3/s) June 8, 1975, gage height 5.95 ft (1.814 m); minimum daily, about 110 ft^3/s (3.12 m^3/s) Mar. 1-22, 1974.

REMARKS.--Records fair except those for Nov. 24 to May 30, which are poor. Discharge affected by storage in Lake Nunavaugaluk, surface area of 32 mi^2 (83 km^2). Records of water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	531	643	320	180	200	180	160	200	1380	1220	510	246
2	517	629	320	180	200	180	160	220	1440	1190	496	240
3	510	608	320	180	200	180	160	220	1490	1160	475	228
4	545	587	300	180	200	180	160	220	1520	1110	461	216
5	608	559	300	180	200	180	160	240	1560	1100	454	276
6	636	531	300	160	200	180	160	260	1600	1070	433	307
7	636	538	280	160	200	180	160	280	1610	1030	405	288
8	636	538	280	160	200	180	160	300	1580	1010	398	282
9	615	517	280	160	200	180	160	320	1580	970	384	314
10	580	482	260	160	200	180	160	340	1590	954	377	370
11	580	489	260	160	200	180	160	360	1580	994	370	433
12	566	566	260	160	200	180	160	380	1560	970	363	468
13	545	601	260	160	200	180	160	400	1560	954	335	475
14	573	622	260	160	200	180	160	420	1550	946	335	489
15	559	580	240	160	200	180	160	440	1540	914	328	489
16	552	580	240	160	200	180	160	460	1540	826	314	510
17	545	573	240	160	200	180	160	500	1540	794	300	615
18	524	552	240	160	200	180	160	550	1540	770	294	730
19	517	531	240	160	200	180	160	600	1530	746	300	890
20	503	517	220	160	200	180	160	650	1490	730	300	1030
21	454	503	220	160	200	180	160	700	1490	706	288	1150
22	489	468	220	160	200	180	160	750	1460	690	282	1250
23	496	440	220	160	200	180	160	800	1440	666	270	1290
24	594	420	220	160	200	180	180	850	1380	650	258	1270
25	770	400	200	160	200	180	180	900	1260	622	252	1220
26	770	380	200	180	200	180	180	1000	1180	594	270	1170
27	754	360	200	180	200	180	180	1100	1180	580	288	1120
28	746	340	200	180	200	180	180	1200	1170	566	270	1080
29	722	340	200	180	---	180	200	1200	1220	559	264	1020
30	698	340	180	180	---	180	200	1300	1220	545	258	970
31	674	---	180	200	---	180	---	1310	---	531	246	---
TOTAL	18445	15234	7660	5200	5600	5580	4980	18470	43780	26167	10578	20436
MEAN	595	508	247	168	200	180	166	596	1459	844	341	681
MAX	770	643	320	200	200	180	200	1310	1610	1220	510	1290
MIN	454	340	180	160	200	180	160	200	1170	531	246	216
CFSM	5.27	4.50	2.19	1.49	1.77	1.59	1.47	5.27	12.9	7.47	3.02	6.03
IN.	6.07	5.02	2.52	1.71	1.84	1.84	1.64	6.08	14.41	8.61	3.48	6.73
AC-FT	36590	30220	15190	10310	11110	11070	9880	36640	86840	51900	20980	40530

CAL YR 1974 TOTAL 143803 MEAN 394 MAX 1030 MIN 110 CFSM 3.49 IN 47.34 AC-FT 285200
WTR YR 1975 TOTAL 182130 MEAN 499 MAX 1610 MIN 160 CFSM 4.42 IN 59.96 AC-FT 361300

NOTE.--No gage-height record Dec. 14 to May 30.

15304000 Kuskokwim River at Crooked Creek

(National stream-quality accounting and radiochemical networks station)

LOCATION.--Lat 61°52'10", long 158°06'42", in NE¼ sec.32, T.21 N., R.48 W., on right bank at village of Crooked Creek, 0.2 mi (0.3 km) upstream from Crooked Creek.

DRAINAGE AREA.--31,100 mi² (80,500 km²), approximately.

PERIOD OF RECORD.--June 1951 to current year.

GAGE.--Nonrecording gage. Altitude of gage is 200 ft (61 m) from topographic map.

AVERAGE DISCHARGE.--24 years, 43,380 ft³/s (1,229 m³/s), 18.94 in/yr (481 mm/yr), 31,430,000 acre-ft/yr (38.8 km³/yr).

EXTREMES.--Current year: Maximum discharge, 162,000 ft³/s (4,590 m³/s) about May 23, gage height 13.9 ft (4.24 m), from floodmarks; maximum gage height, 25.0 ft (7.62 m) about May 18, from floodmarks, backwater from ice; minimum daily discharge, about 9,000 ft³/s (255 m³/s) Mar. 11 to Apr. 15.

Period of record: Maximum discharge, 392,000 ft³/s (11,100 m³/s) June 5, 1964, gage height, 25.74 ft (7.846 m); maximum gage height, 26.36 ft (8.034 m) about May 16, 1968, from floodmarks, backwater from ice; minimum daily discharge, about 6,100 ft³/s (170 m³/s) Mar. 1-31, 1966.

REMARKS.--Records fair except those for Oct. 13 to June 1, which are poor. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46400	32000	20000	13000	11000	9500	9000	10000	100000	61500	88000	48500
2	45600	32000	20000	13000	11000	9500	9000	10000	100000	65500	90000	50600
3	42300	32000	20000	13000	11000	9500	9000	10000	100000	61000	88000	50600
4	43100	30000	20000	13000	11000	9500	9000	11000	100000	59500	84000	50600
5	43100	30000	20000	13000	11000	9500	9000	11000	93800	58200	80000	50200
6	48200	30000	18000	13000	10000	9500	9000	11000	92000	58200	75000	51500
7	49000	30000	18000	13000	10000	9500	9000	11000	90000	56800	70000	66600
8	52500	28000	18000	13000	10000	9500	9000	12000	88000	55500	65000	69500
9	55200	28000	18000	13000	10000	9500	9000	15000	86000	54100	60000	77500
10	53400	28000	18000	13000	10000	9500	9000	20000	86000	53200	56000	77400
11	50700	28000	16000	12000	10000	9000	9000	25000	90000	52300	54000	76600
12	48200	29000	16000	12000	10000	9000	9000	30000	94300	51900	52000	76800
13	47000	30000	16000	12000	10000	9000	9000	40000	88900	55000	50800	79900
14	45000	29000	16000	12000	10000	9000	9000	50000	81700	59500	49800	79900
15	43000	28000	16000	12000	10000	9000	9000	60000	72100	61500	48500	77200
16	41000	28000	16000	12000	10000	9000	9500	80000	69000	65500	50000	73000
17	41000	28000	15000	12000	10000	9000	9500	100000	68600	84100	47200	72100
18	40000	26000	15000	12000	10000	9000	9500	120000	66000	96300	48100	74900
19	40000	26000	15000	12000	10000	9000	9500	110000	66000	103000	48100	79800
20	38000	26000	15000	12000	10000	9000	9500	110000	64000	105000	48500	68100
21	38000	26000	15000	11000	9500	9000	9500	130000	64000	105000	48500	94700
22	38000	24000	15000	11000	9500	9000	9500	150000	69000	101000	46600	98000
23	36000	24000	15000	11000	9500	9000	9500	161000	71100	97600	48500	100000
24	36000	24000	14000	11000	9500	9000	9500	150000	72800	95600	44200	99900
25	36000	24000	14000	11000	9500	9000	9500	140000	73900	93000	43300	96700
26	36000	22000	14000	11000	9500	9000	10000	130000	72800	90400	42600	86900
27	34000	22000	14000	11000	9500	9000	10000	130000	72600	88000	43000	82100
28	34000	22000	14000	11000	9500	9000	10000	120000	72400	86000	45100	73200
29	34000	22000	14000	11000	---	9000	10000	120000	66000	86000	46800	67900
30	34000	20000	14000	11000	---	9000	10000	110000	65500	84000	45500	64400
31	32000	---	14000	11000	---	9000	---	110000	---	84200	45100	---
TOTAL	1300700	808000	503000	371000	281000	284000	280000	2297000	2396500	2328400	1749400	2235100
MEAN	41960	26930	16230	11970	10040	9161	9333	74100	79880	75110	56430	74500
MAX	55200	32000	20000	13000	11000	9500	10000	161000	100000	105000	90000	100000
MIN	32000	20000	14000	11000	9500	9000	9000	10000	64000	51900	42600	48500
CFSM	1.35	.87	.52	.38	.32	.29	.30	2.38	2.57	2.42	1.81	2.40
IN.	1.56	.97	.60	.44	.34	.34	.33	2.75	2.87	2.79	2.09	2.67
AC-FT	2580000	1603000	997700	735900	557400	563300	555400	4556000	4753000	4618000	3470000	4433000

CAL YR 1974 TOTAL 12730000 MEAN 34880 MAX 135000 MIN 9600 CFSM 1.12 IN 15.23 AC-FT 25250000
WTR YR 1975 TOTAL 14834100 MEAN 40640 MAX 161000 MIN 9000 CFSM 1.31 IN 17.74 AC-FT 29420000

NOTE.--No gage-height record Oct. 13 to June 1.

15356000 Yukon River at Eagle

LOCATION.--Lat 64°47'22", long 141°11'52", in NW¼ sec.31, T.1 S., R.33 E., on left bank at Eagle, 0.1 mi (0.2 km) upstream from Mission Creek, 1.1 mi (1.8 km) downstream from Castalia Creek, and 11 mi (18 km) downstream from the international boundary.

DRAINAGE AREA.--113,500 mi² (294,000 km²), approximately.

PERIOD OF RECORD.--January 1911 to December 1913, June 1950 to current year. Monthly discharge only for some periods, published in WSP 1372.

GAGE.--Nonrecording gage read once or twice daily. Altitude of gage is 850 ft (260 m) from topographic map. See WSP 1936 for history of changes prior to Oct. 1, 1963.

AVERAGE DISCHARGE.--27 years, 81,260 ft³/s (2,301 m³/s), 9.72 in/yr (247 mm/yr), 58,880,000 acre-ft/yr (72.6 km³/yr).

EXTREMES.--Current year: Maximum discharge, 372,000 ft³/s (10,500 m³/s) June 7, gage height, 26.67 ft (8.129 m), from floodmarks; minimum daily, 20,000 ft³/s (566 m³/s) Mar. 11 to Apr. 10.

Period of record: Maximum discharge, 545,000 ft³/s (15,400 m³/s) June 12, 1964, gage height, 33.85 ft (10.317 m); maximum gage height, 35.94 ft (10.955 m) in May 1962, from floodmarks, backwater from ice; minimum discharge not determined.

REMARKS.--Records good except those for Oct. 5 to May 10, which are estimated. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1372: 1911-14. WRD Alaska 1968: 1957, 1964 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88500	70000	40000	22000	22000	21000	20000	31000	287000	218000	189000	123000
2	85900	70000	36000	22000	22000	21000	20000	33000	292000	223000	185000	120000
3	82600	70000	36000	22000	22000	21000	20000	36000	301000	228000	184000	118000
4	80600	70000	36000	22000	22000	21000	20000	40000	325000	233000	180000	118000
5	80000	70000	32000	22000	22000	21000	20000	45000	361000	234000	175000	117000
6	78000	66000	32000	22000	22000	21000	20000	50000	370000	239000	172000	116000
7	78000	66000	32000	22000	22000	21000	20000	70000	371000	248000	168000	113000
8	78000	66000	32000	22000	22000	21000	20000	100000	367000	251000	165000	111000
9	78000	66000	32000	22000	22000	21000	20000	150000	359000	239000	165000	110000
10	78000	66000	28000	22000	22000	21000	20000	200000	340000	230000	163000	109000
11	78000	66000	28000	22000	22000	20000	21000	270000	311000	223000	162000	108000
12	74000	66000	28000	22000	22000	20000	21000	305000	282000	219000	161000	109000
13	74000	58000	28000	22000	22000	20000	21000	342000	266000	214000	162000	114000
14	74000	58000	28000	22000	22000	20000	21000	327000	255000	211000	164000	120000
15	74000	58000	25000	22000	22000	20000	22000	323000	251000	210000	164000	123000
16	74000	58000	25000	22000	21000	20000	22000	320000	250000	227000	163000	125000
17	74000	58000	25000	22000	21000	20000	22000	310000	243000	219000	161000	126000
18	74000	58000	25000	22000	21000	20000	23000	300000	240000	204000	158000	130000
19	70000	58000	25000	22000	21000	20000	23000	284000	239000	194000	154000	137000
20	70000	52000	25000	22000	21000	20000	24000	241000	242000	192000	149000	140000
21	70000	52000	25000	22000	21000	20000	24000	219000	247000	205000	144000	140000
22	70000	52000	23000	22000	21000	20000	25000	208000	257000	219000	139000	142000
23	70000	52000	23000	22000	21000	20000	25000	203000	262000	223000	136000	142000
24	70000	46000	23000	22000	21000	20000	26000	204000	256000	219000	134000	143000
25	70000	46000	23000	22000	21000	20000	26000	205000	247000	231000	132000	144000
26	70000	46000	23000	22000	21000	20000	27000	206000	242000	231000	130000	142000
27	70000	46000	23000	22000	21000	20000	27000	208000	245000	229000	130000	138000
28	70000	46000	23000	22000	21000	20000	28000	208000	242000	226000	130000	134000
29	70000	40000	23000	22000	---	20000	29000	211000	229000	218000	131000	130000
30	70000	40000	23000	22000	---	20000	30000	226000	218000	206000	129000	126000
31	70000	---	23000	22000	---	20000	---	264000	---	196000	126000	---
TOTAL	2313600	1736000	853000	682000	603000	630000	687000	6139000	8397000	6859000	4885000	3768000
MEAN	74630	57870	27520	22000	21540	20320	22900	198000	279900	221300	155000	125600
MAX	88500	70000	40000	22000	22000	21000	30000	342000	371000	251000	189000	144000
MIN	70000	40000	23000	22000	21000	20000	20000	31000	218000	192000	126000	108000
CFSM	.66	.51	.24	.19	.19	.18	.20	1.74	2.47	1.95	1.37	1.11
IN.	.76	.57	.28	.22	.20	.21	.23	2.01	2.75	2.25	1.57	1.23
AC-FT	4589000	3443000	1692000	1353000	1196000	1250000	1363000	12180000	16660000	13600000	9531000	7474000

CAL YR 1974 TOTAL 28881300 MEAN 79130 MAX 227000 MIN 15000 CFSM .70 IN 9.47 AC-FT 57290000
WTR YR 1975 TOTAL 37472600 MEAN 102700 MAX 371000 MIN 20000 CFSM .90 IN 12.28 AC-FT 74330000

NOTE.--No gage-height record Oct. 5 to May 10.

15389000 Porcupine River near Fort Yukon

LOCATION.--Lat 66°59'26", long 143°08'16", on right bank 1,000 ft (300 m) upstream from John Herberts Village, and 65 mi (105 km) northeast of Fort Yukon.

DRAINAGE AREA.--29,500 mi² (76,400 km²), approximately.

PERIOD OF RECORD.--August 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 520 ft (160 m) from topographic map. Prior to Aug. 17, 1968, 1,300 ft (400 m) upstream at same datum.

AVERAGE DISCHARGE.--11 years, 14,490 ft³/s (410 m³/s), 6.67 in/yr (169 mm/yr), 10,500,000 acre-ft/yr (12.9 km³/yr).

EXTREMES.--Current year: Maximum discharge recorded, 196,000 ft³/s (5,550 m³/s) May 30, gage height, 28.56 ft (8.705 m); minimum daily, 800 ft³/s (23 m³/s) Mar. 26 to Apr. 10.
Period of record: Maximum discharge, 299,000 ft³/s (8,470 m³/s) about May 24, 1973, gage height, 33.68 ft (10.266 m), from floodmarks, from rating curve extended above 180,000 ft³/s (5,100 m³/s); minimum not determined.

REMARKS.--Records poor except those for periods of no gage-height record, which are estimated.

REVISIONS (WATER YEARS).--WRD Alaska 1968: 1967. WRD Alaska 1969: 1968.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10000	7000	2000	1300	1100	1100	800	1000	170000	29000	8800	25900
2	11000	7000	2000	1300	1100	1100	800	1000	170000	26000	11000	24500
3	10000	7000	2000	1300	1100	1100	800	1000	167000	21000	13000	21900
4	11000	7000	2000	1300	1100	1100	800	1000	148000	19000	11000	19800
5	12000	6000	2000	1300	1100	1100	800	1000	111000	16000	11000	18600
6	13000	5800	1900	1200	1100	1000	800	1000	85200	14000	12000	17800
7	12000	5400	1900	1200	1100	1000	800	1000	63600	13000	15000	17200
8	11000	5000	1900	1200	1100	1000	800	1000	50000	12000	18000	18200
9	10000	4700	1900	1200	1100	1000	800	1000	52000	11000	18000	22900
10	10000	4500	1900	1200	1100	1000	800	1000	56000	10000	17000	26500
11	10000	4300	1800	1200	1100	1000	900	1000	58000	10000	16000	25400
12	10000	4200	1800	1200	1100	1000	900	1000	58000	9200	18000	23300
13	9000	4100	1800	1200	1100	1000	900	1000	60000	8600	20000	22100
14	9000	3800	1800	1200	1100	1000	900	1200	60000	8400	21000	21700
15	9000	3600	1800	1200	1100	1000	900	1400	60000	8000	22000	21300
16	9000	3400	1700	1200	1100	900	1000	1800	60000	7600	23100	22000
17	9000	3200	1700	1200	1100	900	1000	5000	58000	7200	22500	23000
18	9000	2900	1700	1200	1100	900	1000	30000	56000	7000	20600	23000
19	9000	2700	1700	1200	1100	900	1000	110000	54000	6800	18400	25000
20	9000	2500	1700	1200	1100	900	1000	130000	50000	7000	16600	24000
21	9000	2500	1600	1200	1100	900	1000	140000	46000	9000	14900	22000
22	9000	2500	1600	1200	1100	900	1000	110000	38000	11000	13600	20000
23	9000	2400	1600	1200	1100	900	1000	90000	33000	9000	12200	19200
24	8000	2300	1600	1200	1100	900	1000	80000	30000	8000	11200	19000
25	8000	2200	1500	1200	1100	900	1000	76000	27000	7400	10700	18400
26	8000	2100	1500	1200	1100	800	1000	98000	25000	7000	10500	18000
27	8000	2100	1500	1200	1100	800	1000	120000	24000	7000	10600	17000
28	8000	2100	1400	1200	1100	800	1000	150000	21000	7000	11100	16000
29	8000	2100	1400	1200	---	800	1000	170000	23000	7000	13400	14000
30	7000	2100	1400	1200	---	800	1000	192000	27000	7200	17000	13000
31	7000	---	1400	1200	---	800	---	180000	---	7600	23500	---
TOTAL	291000	116500	53500	37700	30800	29300	27500	1690400	1940800	338000	481500	620700
MEAN	9387	3883	1726	1216	1100	945	917	54530	64690	10900	15530	20690
MAX	13000	7000	2000	1300	1100	1100	1000	192000	170000	29000	23500	26500
MIN	7000	2100	1400	1200	1100	800	800	1000	21000	6800	8800	13000
CFSM	.32	.13	.06	.04	.04	.03	.03	1.85	2.19	.37	.53	.70
IN.	.37	.15	.07	.05	.04	.04	.03	2.13	2.45	.43	.61	.70
AC-FT	577200	231100	106100	74700	61090	58120	54550	3353000	3850000	670400	955100	1231000

CAL YR 1974 TOTAL 4704040 MEAN 12890 MAX 131000 MIN 800 CFSM .44 IN 5.93 AC-FT 9330000
WTR YR 1975 TOTAL 5657700 MEAN 15500 MAX 192000 MIN 800 CFSM .53 IN 7.13 AC-FT 11220000

NOTE.--No gage-height record Oct. 1 to May 29 and June 9 to Aug. 15.

15439800 Boulder Creek near Central

LOCATION.--Lat 65°34'05", long 144°53'13", in NW¼ sec.32, T.9 N., R.14 E., on right bank, 2,000 ft (610 m) upstream from bridge at mile 125.4 (201.8 km) on Steese Highway, 0.7 mi (1.1 km) upstream from mouth, and 2.3 mi (3.7 km) west of Central.

DRAINAGE AREA.--31.3 mi² (81.1 km²).

PERIOD OF RECORD.--Annual maximums, water years 1964 and 1965, May 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,075 ft (328 m) from topographic map. Aug. 3, 1963 to May 22, 1966, crest-stage gage at upstream side of bridge 2,000 ft (610 m) downstream at different datum. May 23, 1966 to Sept. 27, 1969, water-stage recorder, on downstream side of bridge, at datum 7.02 ft (2.140 m) higher than previous datum. Sept. 28, 1969 to July 31, 1971, nonrecording gage on downstream side of bridge, datum of prior recording gage.

AVERAGE DISCHARGE.--9 years, 11.3 ft³/s (0.32 m³/s), 4.90 in/yr (125 mm/yr), 8,190 acre-ft/yr (10.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 145 ft³/s (4.11 m³/s) May 29, gage height 6.55 ft (1.996 m), from rating curve extended above 70 ft³/s (2.0 m³/s) on the basis of slope-area measurements at gage heights 7.84 ft (2.390 m) and 9.72 ft (2.963 m); no flow Nov. 21 to May 5.

Period of record: Maximum discharge, 1,150 ft³/s (32.6 m³/s) Aug. 13, 1967, gage height, 7.50 ft (2.286 m), site and datum then in use, 9.72 ft (2.963 m), present site and datum, from rating curve extended above 70 ft³/s (2.0 m³/s) on the basis of slope-area measurement of peak flow; no flow at times during most winters.

REMARKS.--Records estimated prior to May 21 and poor thereafter.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	1.5						0	58	3.8	7.7	18
2	3.0	1.5						0	56	3.5	7.4	19
3	3.0	1.5						0	41	3.3	8.0	19
4	3.0	1.5						0	35	3.0	15	19
5	3.0	1.5						0	24	2.6	18	17
6	3.0	1.5						.10	22	2.4	16	16
7	3.0	1.5						.10	21	2.2	23	16
8	3.0	1.5						.10	18	2.1	20	16
9	3.0	1.5						.10	15	2.1	17	16
10	3.0	1.5						.10	31	1.8	16	15
11	2.5	1.0						.50	81	1.7	19	12
12	2.5	1.0						.50	41	1.7	18	21
13	2.5	1.0						.50	24	2.0	14	20
14	2.5	1.0						.50	18	2.5	12	19
15	2.5	1.0						1.0	20	2.2	10	17
16	2.5	1.0						2.0	16	3.4	7.7	16
17	2.5	1.0						4.0	11	4.4	7.4	14
18	2.5	1.0						6.0	8.8	67	6.8	13
19	2.5	1.0						11	8.0	35	6.8	12
20	2.5	1.0						30	6.5	18	8.4	12
21	2.0	0						60	5.6	37	8.4	12
22	2.0	0						75	8.4	29	8.0	11
23	2.0	0						76	8.0	17	8.0	11
24	2.0	0						85	6.8	9.6	7.7	11
25	2.0	0						92	8.4	12	7.8	9.0
26	2.0	0						103	16	9.2	9.8	7.6
27	2.0	0						102	14	14	11	7.0
28	2.0	0						96	8.4	14	12	6.2
29	2.0	0			---			111	5.6	15	13	5.6
30	2.0	0			---			83	4.4	12	14	5.0
31	2.0	---			---		---	62	---	8.0	16	---
TOTAL	77.0	25.0	0	0	0	0	0	1001.50	640.9	341.5	373.9	412.4
MEAN	2.48	.83	0	0	0	0	0	32.3	21.4	11.0	12.1	13.7
MAX	3.0	1.5	0	0	0	0	0	111	81	67	23	21
MIN	2.0	0	0	0	0	0	0	0	4.4	1.7	6.8	5.0
CFSM	.08	.03	0	0	0	0	0	1.03	.68	.35	.39	.44
IN.	.09	.03	0	0	0	0	0	1.19	.76	.41	.44	.49
AC-FT	153	50	0	0	0	0	0	1990	1270	677	742	818

CAL YR 1974 TOTAL 1383.40 MEAN 3.79 MAX 58 MIN 0 CFSM .12 IN 1.64 AC-FT 2740
WTR YR 1975 TOTAL 2872.20 MEAN 7.87 MAX 111 MIN 0 CFSM .25 IN 3.41 AC-FT 5700

NOTE.--No gage-height record Oct. 1 to May 21.

15457800 Hess Creek near Livengood

LOCATION.--Lat 65°39'55", long 149°05'47", in NW¼ sec.30, T.10 N., R.7 W., near midspan on downstream side of bridge at mile 22 (35 km) on TAPS haul road, 1.0 mi (1.6 km) downstream from Mastodon Creek, 4.0 mi (6.4 km) upstream from Richardson Creek, and 18.6 mi (29.9 km) northwest of Livengood.

DRAINAGE AREA.--662 mi² (1,715 km²).

PERIOD OF RECORD.--June 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft (121.920 m) above mean sea level (Alaska Department of Highways TBM).

AVERAGE DISCHARGE.--5 years, 221 ft³/s (6.26 m³/s), 4.53 in/yr (115 mm/yr), 160,100 acre-ft/yr (197 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 10,000 ft³/s (283 m³/s) May 13, gage height, 66.78 ft (20.355 m); no flow Dec. 21 to Apr. 30.
Period of record: Maximum discharge, 10,000 ft³/s (283 m³/s) May 13, 1975, gage height, 66.78 ft (20.355 m); no flow Dec. 11, 1973 to Apr. 30, 1974 and Dec. 21, 1974 to Apr. 30, 1975.

REMARKS.--Records estimated prior to May 13, fair thereafter. Records of chemical analyses, suspended-sediment loads, and biological analyses for the current year are published in Section 2 of this report.

REVISIONS.--WRD Alaska 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	15	2.0					1.0	605	147	109	580
2	[illegible]	15	2.0					5.0	454	140	91	470
3	160	15	2.0					10	395	155	85	522
4	150	15	2.0					20	308	165	100	552
5	130	10	2.0					40	272	130	145	730
6	120	10	1.0					60	245	102	492	1740
7	110	10	1.0					200	793	84	550	1680
8	100	10	1.0					300	1160	70	950	1510
9	90	10	1.0					700	880	57	720	1400
10	80	8.0	1.0					2000	944	50	484	1150
11	80	8.0	1.0					4000	1150	42	317	1060
12	70	8.0	1.0					7000	2920	35	270	1690
13	70	6.0	1.0					8840	1960	30	195	1660
14	60	6.0	1.0					4670	1310	29	145	1190
15	60	6.0	1.0					2050	1030	42	120	930
16	50	6.0	1.0					1360	770	39	134	770
17	50	6.0	1.0					1320	510	47	173	650
18	40	4.0	1.0					1500	404	228	208	570
19	40	4.0	1.0					1110	605	252	273	505
20	40	4.0	1.0					700	665	147	1090	570
21	30	4.0	0					480	434	198	3830	542
22	30	4.0	0					460	329	149	3390	558
23	30	4.0	0					554	462	200	2870	514
24	30	4.0	0					566	992	134	1560	430
25	20	3.0	0					506	798	112	1210	359
26	20	3.0	0					442	582	198	1020	280
27	20	3.0	0					526	359	242	1310	185
28	20	2.0	0					580	305	260	1290	170
29	20	2.0	0		---			1050	215	250	990	160
30	20	2.0	0		---			1060	161	323	835	140
31	20	---	0		---		---	835	---	139	695	---
TOTAL	2150	207.0	25.0	0	0	0	0	42107.0	22019	4186	24507	23274
MEAN	69.4	6.90	.81	0	0	0	0	1360	734	135	791	776
MAX	210	15	2.0	0	0	0	0	8840	2920	323	3830	1740
MIN	20	2.0	0	0	0	0	0	1.0	161	29	85	140
CFSM	.10	.01	.001	0	0	0	0	2.05	1.11	.20	1.19	1.17
IN.	.12	.01	.001	0	0	0	0	2.37	1.24	.24	1.38	1.31
AC-FT	4260	411	50	0	0	0	0	83520	43670	8310	48610	46160

CAL YR 1974 TOTAL 19748.90 MEAN 54.1 MAX 970 MIN 0 CFSM .08 IN 1.11 AC-FT 39170
WTR YR 1975 TOTAL 118477.00 MEAN 325 MAX 8840 MIN 0 CFSM .49 IN 6.66 AC-FT 235000

NOTE.--No gage-height record Oct. 1 to May 12.

15476000 Tanana River near Tanacross

LOCATION.--Lat 63°23'18", long 143°44'47", in NE¼ sec.31, T.19 N., R.9 E., on right bank 0.2 mi (0.3 km) north of Cathedral Rapids, 0.3 mi (0.5 km) downstream from Cathedral Rapids Creek No. 1, 9 mi (14 km) upstream from Robertson River, and 13 mi (21 km) west of Tanacross.

DRAINAGE AREA.--8,550 mi² (22,140 km²), approximately.

PERIOD OF RECORD.--June 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,489.58 ft (454.024 m) above mean sea level. Prior to June 13, 1959, on left bank at site 120 ft (37 m) upstream at same datum.

AVERAGE DISCHARGE.--22 years, 7,901 ft³/s (224 m³/s), 12.55 in/yr (319 mm/yr), 5,724,000 acre-ft/yr (7.06 km³/yr).

EXTREMES.--Current year: Maximum discharge, 38,000 ft³/s (1,080 m³/s) July 22, gage height, 11.70 ft (3.566 m); minimum daily, 2,300 ft³/s (65 m³/s) Feb. 6 to Apr. 20.
Period of record: Maximum discharge, 39,100 ft³/s (1,110 m³/s) June 19, 1962, gage height, 11.65 ft (3.551 m); maximum gage height, 11.70 ft (3.566 m) July 22, 1975; minimum discharge not determined.

REMARKS.--Records good except those for Oct. 3 to Apr. 25 and Aug. 5 to Sept. 30, which are estimated. Records of suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7570	3500	3000	2700	2400	2300	2300	3420	13100	19300	23000	15000
2	6500	3500	3000	2700	2400	2300	2300	3600	13200	20300	22500	15000
3	5000	3500	3000	2700	2400	2300	2300	3780	14000	21300	22300	15000
4	5000	3500	3000	2700	2400	2300	2300	4160	17000	21500	22000	15000
5	4800	3500	3000	2700	2400	2300	2300	4630	18300	21900	21000	14000
6	4500	3300	2900	2600	2300	2300	2300	5200	17700	22800	20000	14000
7	4500	3300	2900	2600	2300	2300	2300	5760	17300	23100	19000	14000
8	4300	3300	2900	2600	2300	2300	2300	6420	17100	21500	19000	15000
9	4300	3300	2900	2600	2300	2300	2300	6780	16500	22200	19000	17000
10	4300	3300	2900	2600	2300	2300	2300	7690	15500	23800	19000	19000
11	4300	3300	2900	2600	2300	2300	2300	8290	14500	24600	19200	20000
12	4000	3300	2900	2600	2300	2300	2300	9460	13200	25600	18000	21000
13	4000	3300	2900	2600	2300	2300	2300	10600	11900	27000	19000	18000
14	4000	3300	2900	2600	2300	2300	2300	11600	10200	28400	19000	16000
15	4000	3300	2900	2600	2300	2300	2300	11900	11000	30800	20000	15000
16	4000	3200	2800	2500	2300	2300	2300	11200	11000	32800	21000	14000
17	4000	3200	2800	2500	2300	2300	2300	11400	11000	33100	20000	15000
18	3800	3200	2800	2500	2300	2300	2300	12000	12400	32200	19000	16000
19	3800	3200	2800	2500	2300	2300	2300	11900	14100	30400	18000	17000
20	3800	3200	2800	2500	2300	2300	2300	11300	15500	32000	17000	18000
21	3800	3200	2800	2500	2300	2300	2400	11000	16500	35200	17000	17000
22	3800	3200	2800	2500	2300	2300	2400	11600	16400	37100	17000	16000
23	3800	3200	2800	2500	2300	2300	2500	11800	15100	36800	16000	15000
24	3800	3200	2800	2500	2300	2300	2500	11500	14400	33000	16000	14000
25	3800	3200	2800	2500	2300	2300	2600	11500	14700	32300	17000	13000
26	3500	3000	2700	2400	2300	2300	2700	11400	15200	32300	18000	12000
27	3500	3000	2700	2400	2300	2300	2840	11500	15600	31000	19000	11000
28	3500	3000	2700	2400	2300	2300	2960	11700	16100	30000	17000	11000
29	3500	3000	2700	2400	---	2300	3160	12000	17300	28000	17000	10000
30	3500	3000	2700	2400	---	2300	3300	12300	18400	26000	16000	9400
31	3500	---	2700	2400	---	2300	---	13000	---	24000	16000	---
TOTAL	131350	97500	88200	78900	64900	71300	73440	290390	445000	861100	583000	451400
MEAN	4237	3250	2845	2545	2318	2300	2448	9367	14830	27780	18810	15050
MAX	7570	3500	3000	2700	2400	2300	3300	13000	18400	37100	23000	21000
MIN	3500	3000	2700	2400	2300	2300	2300	3420	10200	19300	16000	9400
CFSM	.50	.38	.33	.30	.27	.27	.29	1.10	1.73	3.25	2.20	1.76
IN.	.57	.42	.38	.34	.28	.31	.32	1.26	1.94	3.75	2.54	1.96
AC-FT	260500	193400	174900	156500	128700	141400	145700	576000	882700	1708000	1156000	895400

CAL YR 1974 TOTAL 2850450 MEAN 7809 MAX 30600 MIN 2000 CFSM .91 IN 12.40 AC-FT 5654000
WTR YR 1975 TOTAL 3236400 MEAN 8867 MAX 37100 MIN 2300 CFSM 1.04 IN 14.08 AC-FT 6420000

NOTE.--No gage-height record Oct. 5 to Mar. 28 and Aug. 5 to Sept. 30.

15476300 Berry Creek near Dot Lake

LOCATION.--Lat 63°41'23", long 144°21'47", in NW¼ sec.13, T.22 N., R.5 E., on left bank 100 ft (30 m) upstream from bridge at mile 1,371.4 (2,206.6 km) on Alaska Highway, 1.9 mi (3.1 km) upstream from mouth, and 6.0 mi (9.7 km) east of Dot Lake.

DRAINAGE AREA.--65.1 mi^2 (168.6 km^2).

PERIOD OF RECORD.--Annual maximum, water years 1963-71, July 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,400 ft (430 m) from topographic map. Aug. 14, 1963 to July 27, 1971, crest-stage gage at site 50 ft (15 m) downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 1,100 ft^3/s (31.1 m^3/s) June 4, gage height, 13.26 ft (4.042 m), from rating curve extended above 580 ft^3/s (16 m^3/s) on basis of slope-area measurements at gage heights 14.10 ft (4.298 m) and 15.49 ft (4.721 m) present site; maximum gage height, 17.4 ft (5.30 m) in May, flow over ice; minimum daily discharge, 2.6 ft^3/s (0.1 m^3/s) Jan. 11 to Apr. 15.

Period of record: Maximum discharge, 2,800 ft^3/s (79.3 m^3/s) July 19, 1964, gage height, 15.25 ft (4.648 m) site then in use, 15.49 ft (4.721 m) present site, from rating curve extended above 580 ft^3/s (16 m^3/s) on basis of slope-area measurement of peak flow; maximum gage height, 17.4 ft (5.30 m) in May 1975, flow over ice; minimum discharge not determined.

REMARKS.--Records fair except those for Oct. 3 to May 28, which are estimated. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	17	12	5.0	2.6	2.6	2.6	15	140	120	376	130
2	29	17	12	5.0	2.6	2.6	2.6	15	443	88	288	124
3	28	17	12	5.0	2.6	2.6	2.6	15	525	88	217	109
4	28	17	12	5.0	2.6	2.6	2.6	15	841	91	198	100
5	28	17	12	5.0	2.6	2.6	2.6	20	296	89	165	94
6	25	15	12	5.0	2.6	2.6	2.6	20	288	88	150	89
7	25	15	12	5.0	2.6	2.6	2.6	20	244	85	160	85
8	25	15	12	5.0	2.6	2.6	2.6	25	238	86	172	82
9	25	15	12	5.0	2.6	2.6	2.6	25	168	83	180	80
10	25	15	12	5.0	2.6	2.6	2.6	30	130	80	140	78
11	22	15	10	2.6	2.6	2.6	2.6	35	92	88	182	130
12	22	15	10	2.6	2.6	2.6	2.6	40	82	88	150	130
13	22	15	10	2.6	2.6	2.6	2.6	50	88	102	138	102
14	22	15	10	2.6	2.6	2.6	2.6	60	100	92	128	86
15	22	15	10	2.6	2.6	2.6	2.6	70	136	85	116	80
16	20	13	10	2.6	2.6	2.6	5.0	100	116	86	113	75
17	20	13	10	2.6	2.6	2.6	5.0	140	116	78	104	70
18	20	13	10	2.6	2.6	2.6	5.0	180	118	75	113	80
19	20	13	10	2.6	2.6	2.6	5.0	250	106	140	99	80
20	20	13	10	2.6	2.6	2.6	5.0	300	597	223	92	71
21	20	13	7.0	2.6	2.6	2.6	10	350	372	172	91	65
22	20	13	7.0	2.6	2.6	2.6	10	400	205	199	96	62
23	20	13	7.0	2.6	2.6	2.6	10	350	150	132	96	59
24	20	13	7.0	2.6	2.6	2.6	10	300	128	109	109	58
25	20	13	7.0	2.6	2.6	2.6	10	270	138	392	109	57
26	17	12	7.0	2.6	2.6	2.6	10	250	145	400	107	55
27	17	12	7.0	2.6	2.6	2.6	10	260	120	241	158	54
28	17	12	7.0	2.6	2.6	2.6	10	240	115	271	136	52
29	17	12	7.0	2.6	---	2.6	10	158	126	185	118	51
30	17	12	7.0	2.6	---	2.6	10	132	165	138	109	50
31	17	---	7.0	2.6	---	2.6	---	115	---	178	106	---
TOTAL	681	425	297.0	104.6	72.8	80.6	164.0	4250	6528	4372	4516	2438
MEAN	22.0	14.2	9.58	3.37	2.60	2.60	5.47	137	218	141	146	81.3
MAX	31	17	12	5.0	2.6	2.6	10	400	841	400	376	130
MIN	17	12	7.0	2.6	2.6	2.6	2.6	15	82	75	91	50
CFSM	.34	.22	.15	.05	.04	.04	.08	2.10	3.35	2.17	2.24	1.25
IN.	.39	.24	.17	.06	.04	.05	.09	2.43	3.73	2.50	2.58	1.39
AC-FT	1350	843	589	207	144	160	325	8430	12950	8670	8960	4840

CAL YR 1974 TOTAL 14684.90 MEAN 40.2 MAX 235 MIN .60 CFSM .62 IN 8.39 AC-FT 29130
WTR YR 1975 TOTAL 23929.00 MEAN 65.6 MAX 841 MIN 2.6 CFSM 1.01 IN 13.67 AC-FT 47460

NOTE.--No gage-height record Oct. 3 to May 28.

15478040 Phelan Creek near Paxson

LOCATION.--Lat 63°14'27", long 145°28'03", in SW¼ sec.28, T.19 S., R.12 E., on left bank approximately 1 mi (2 km) downstream from terminus of Gulkana Glacier, and 14.5 mi (23.3 km) north of Paxson.

DRAINAGE AREA.--12.2 mi^2 (31.6 km^2).

PERIOD OF RECORD.--October 1966 to current year. Prior to October 1968, published as Gulkana Creek near Paxson.

GAGE.--Water-stage recorder. Datum of gage is 3,690.53 ft (1,124.916 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 66.7 ft^3/s (1.89 m^3/s), 74.24 in/yr (1,886 mm/yr), 48,320 acre-ft/yr (59.6 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 480 ft^3/s (13.59 m^3/s) Aug. 15, gage height, 8.97 ft (2.734 m); minimum daily, 2.0 ft^3/s (0.06 m^3/s) Jan. 11 to May 8.

Period of record: Maximum discharge, 2,320 ft^3/s (65.7 m^3/s) Aug. 13, 1967, gage height, 11.51 ft (3.508 m), from rating curve extended above 900 ft^3/s (25.5 m^3/s); maximum gage height, 14.7 ft (4.48 m) early June 1967, flow over ice; minimum discharge not determined.

REMARKS.--Records estimated prior to June 23, poor thereafter. Large fluctuations from ice melt and alternate damming and storage release during melt season. Streamflow augmented by Gulkana Glacier and other glaciers that cover 7.5 mi^2 (19.3 km^2) and 1.1 mi^2 (2.9 km^2), respectively, of the drainage basin. A recording air temperature and precipitation gage at 4,860 ft (1,480 m) altitude, three storage precipitation gages between 3,700 ft (1,130 m) and 6,400 ft (1,940 m) altitude, plus 3 snow and ice balance measurement stakes, are located in the basin. Combined snow, ice, and water balances of the basin are published in other reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	5.0	3.0	3.0	2.0	2.0	2.0	2.0	50	220	203	119
2	22	5.0	3.0	3.0	2.0	2.0	2.0	2.0	40	198	220	113
3	20	5.0	3.0	3.0	2.0	2.0	2.0	2.0	30	186	225	110
4	18	5.0	3.0	3.0	2.0	2.0	2.0	2.0	20	181	243	105
5	16	5.0	3.0	3.0	2.0	2.0	2.0	2.0	30	176	225	102
6	15	5.0	3.0	3.0	2.0	2.0	2.0	2.0	25	192	208	92
7	14	5.0	3.0	3.0	2.0	2.0	2.0	2.0	20	198	192	87
8	13	4.0	3.0	3.0	2.0	2.0	2.0	2.0	30	220	220	85
9	12	4.0	3.0	3.0	2.0	2.0	2.0	5.0	25	225	192	80
10	11	4.0	3.0	3.0	2.0	2.0	2.0	10	20	252	198	80
11	11	4.0	3.0	2.0	2.0	2.0	2.0	20	15	270	208	225
12	10	4.0	3.0	2.0	2.0	2.0	2.0	30	10	297	220	181
13	10	4.0	3.0	2.0	2.0	2.0	2.0	20	20	342	234	152
14	9.0	4.0	3.0	2.0	2.0	2.0	2.0	10	20	324	225	130
15	9.0	4.0	3.0	2.0	2.0	2.0	2.0	20	30	333	270	122
16	9.0	4.0	3.0	2.0	2.0	2.0	2.0	30	50	288	261	113
17	8.0	4.0	3.0	2.0	2.0	2.0	2.0	20	70	306	252	119
18	8.0	4.0	3.0	2.0	2.0	2.0	2.0	10	90	306	208	186
19	8.0	4.0	3.0	2.0	2.0	2.0	2.0	5.0	80	297	192	148
20	7.0	4.0	3.0	2.0	2.0	2.0	2.0	5.0	70	297	198	125
21	7.0	4.0	3.0	2.0	2.0	2.0	2.0	6.0	100	297	198	122
22	7.0	4.0	3.0	2.0	2.0	2.0	2.0	5.0	100	297	186	130
23	7.0	4.0	3.0	2.0	2.0	2.0	2.0	10	161	270	192	119
24	6.0	4.0	3.0	2.0	2.0	2.0	2.0	10	143	297	198	113
25	6.0	4.0	3.0	2.0	2.0	2.0	2.0	20	125	297	198	125
26	6.0	3.0	3.0	2.0	2.0	2.0	2.0	20	138	270	192	116
27	6.0	3.0	3.0	2.0	2.0	2.0	2.0	22	143	270	152	108
28	6.0	3.0	3.0	2.0	2.0	2.0	2.0	24	148	261	138	105
29	6.0	3.0	3.0	2.0	---	2.0	2.0	26	176	225	148	102
30	5.0	3.0	3.0	2.0	---	2.0	2.0	30	208	220	148	90
31	5.0	---	3.0	2.0	---	2.0	---	40	---	208	125	---
TOTAL	322.0	122.0	93.0	72.0	56.0	62.0	60.0	414.0	2187	8020	6269	3604
MEAN	10.4	4.07	3.00	2.32	2.00	2.00	2.00	13.4	72.9	259	202	120
MAX	25	5.0	3.0	3.0	2.0	2.0	2.0	40	208	342	270	225
MIN	5.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	10	176	125	80
CFSM	.85	.33	.25	.19	.16	.16	.16	1.10	5.98	21.2	16.6	9.84
IN.	.98	.37	.28	.22	.17	.19	.18	1.26	6.67	24.45	19.11	10.99
AC-FT	639	242	184	143	111	123	119	821	4340	15910	12430	7150

CAL YR 1974 TOTAL 27518.4 MEAN 75.4 MAX 620 MIN 1.3 CFSM 6.18 IN 83.98 AC-FT 54580
WTR YR 1975 TOTAL 21201.0 MEAN 58.3 MAX 342 MIN 2.0 CFSM 4.78 IN 64.88 AC-FT 42210

NOTE.--no gage-height record Oct. 1 to June 22.

15481000 Tanana River near Harding Lake

LOCATION.--Lat 64°24'04", long 146°56'56", in NE¼ sec.16, T.6 S., R.4 E., Fairbanks North Star Borough, on right bank 2 mi (3 km) southwest of Harding Lake, 6 mi (10 km) upstream from Salcha River, and 38 mi (61 km) southeast of Fairbanks.

DRAINAGE AREA.--17,240 mi² (44,650 km²).

PERIOD OF RECORD.--May 1968 to current year (gage heights only).

GAGE.--Water-stage recorder. Altitude of gage is 700 ft (213 m) from topographic map.

EXTREMES.--Current year: Maximum gage height, 15.48 ft (4.718 m) July 21; minimum gage height not determined.
Period of record: Maximum recorded gage height, 16.74 ft (5.102 m) July 15, 1971, but may have been higher during period of no gage-height record, July 16-18, 1971; minimum gage height not determined.
Flood in August 1967 reached a gage height of 18.1 ft (5.52 m) from floodmarks.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WRD Alaska 1972: 1971.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	10.20	13.40	13.10	---
2								---	10.20	13.80	13.20	---
3								---	10.30	13.60	13.20	---
4								---	---	13.50	13.10	---
5								---	---	13.50	13.00	---
6								---	---	13.30	12.80	---
7								---	---	13.40	---	10.90
8								---	---	13.70	---	10.60
9								---	---	14.00	---	10.60
10								---	---	14.20	---	10.40
11								---	---	14.30	---	10.40
12								---	---	14.40	---	11.80
13								---	---	14.50	---	12.20
14								12.60	---	14.70	---	11.60
15								12.30	---	14.60	---	11.10
16								11.70	---	14.60	---	10.70
17								11.00	11.40	14.40	---	10.50
18								10.60	11.40	14.30	---	10.50
19								10.40	11.70	14.30	---	11.30
20								10.20	12.90	14.70	---	11.60
21								9.90	14.20	15.20	---	11.20
22								9.80	13.70	---	---	10.80
23								10.00	13.50	---	---	10.60
24								10.40	13.20	---	---	10.50
25								10.10	12.70	---	---	10.40
26								10.00	12.30	---	---	10.20
27								10.00	12.20	---	---	10.20
28								10.00	12.30	---	---	10.00
29								10.00	12.30	13.80	---	9.60
30								10.10	12.80	13.50	---	---
31								10.20	---	13.20	---	---
MEAN								---	---	---	---	---
MAX								---	---	---	---	---
MIN								---	---	---	---	---

15484000 Salcha River near Salchaket

LOCATION.--Lat 64°28'22", long 146°55'26", in NE¼ sec.22, T.5 S., R.4 E., Fairbanks North Star Borough, on right bank 0.2 mi (0.3 km) upstream from bridge on Richardson Highway, 0.5 mi (0.8 km) east of Aurora Lodge, 2 mi (3 km) upstream from mouth, and 6 mi (10 km) southeast of Salchaket.

DRAINAGE AREA.--2,170 mi^2 (5,620 km^2), approximately.

PERIOD OF RECORD.--July 1909 to August 1910, published as "at mouth" (no winter records), October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 631.85 ft (192.588 m) above mean sea level. Prior to Aug. 10, 1910, nonrecording gage at site 1.5 mi (2.4 km) downstream at different datum. Oct. 1, 1948 to Apr. 24, 1953, nonrecording gage, and Apr. 25, 1953 to Oct. 16, 1967, water-stage recorder at site 800 ft (240 m) downstream at same datum.

AVERAGE DISCHARGE.--27 years (1948-74), 1,730 ft^3/s (49.0 m^3/s), 10.83 in/yr (275 mm/yr), 1,253,000 acre-ft/yr (1.55 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 25,100 ft^3/s (711 m^3/s) May 14, gage height, 15.85 ft (4.831 m); minimum daily, 160 ft^3/s (4.5 m^3/s) Mar. 21 to Apr. 10.

Period of record: Maximum discharge, 97,000 ft^3/s (2,750 m^3/s) Aug. 14, 1967, gage height, 21.78 ft (6.639 m), present site, from floodmarks, from rating curve extended above 16,000 ft^3/s (450 m^3/s) on basis of slope-area measurement and slope-conveyance determination of peak flow; minimum not determined.

REMARKS.--Records fair except those for Oct. 7 to May 8, which are estimated. Records of chemical analysis and suspended-sediment loads are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	400	200	180	190	180	160	400	3160	1830	3500	3940
2	1040	400	200	180	190	180	160	500	2760	1650	3940	5300
3	1020	400	200	180	190	180	160	800	2980	1520	3800	5160
4	853	400	200	180	190	180	160	1200	3000	1400	3520	4570
5	791	400	200	180	190	180	160	1700	2480	1280	3480	4200
6	755	300	200	180	190	170	160	2500	2210	1180	3380	3930
7	700	300	200	180	190	170	160	3000	2240	1120	3580	3590
8	700	300	200	180	190	170	160	3200	2420	1050	3920	3320
9	700	300	200	180	190	170	160	3190	3180	970	3700	3110
10	700	300	200	180	190	170	160	3990	2780	920	3360	2910
11	600	300	190	180	190	170	170	11100	5220	881	3160	2740
12	600	300	190	180	190	170	170	21500	8720	855	3180	2710
13	600	300	190	180	190	170	180	23500	5100	933	2840	3160
14	600	300	190	180	190	170	190	21100	3840	972	2580	3430
15	600	300	190	180	190	170	200	10500	4240	1100	2390	3220
16	600	250	190	180	190	170	200	6500	4560	1150	2230	2960
17	600	250	190	180	190	170	210	6480	3300	1180	2040	2740
18	500	250	190	180	190	170	220	8600	2540	1140	2000	2570
19	500	250	190	180	190	170	230	6420	2200	1470	1910	2440
20	500	250	190	180	190	170	240	4000	2000	1670	1830	2320
21	500	250	180	190	180	160	250	2960	2130	3080	1760	2220
22	500	250	180	190	180	160	[illegible]	2560	2600	9500	1730	2120
23	500	250	180	190	180	160	270	3140	2470	6680	1750	2040
24	500	250	180	190	180	160	280	3280	2160	4360	1780	1980
25	400	250	180	190	180	160	290	3080	2130	3460	1940	1930
26	400	200	180	190	180	160	300	3040	2960	3440	1960	1900
27	400	200	180	190	180	160	310	3460	4000	4040	2930	1810
28	400	200	180	190	180	160	330	3640	3400	4600	5770	1670
29	400	200	180	190	---	160	350	3640	2600	5000	5220	1650
30	400	200	180	190	---	160	380	4220	2130	4280	4300	1600
31	400	---	180	190	---	160	---	4060	---	3620	3760	---
TOTAL	18769	8500	5880	5690	5240	5210	6630	177080	95510	76391	93880	87240
MEAN	605	283	190	184	187	168	221	5712	3184	2464	3003	2908
MAX	1040	400	200	190	190	180	380	23500	8720	9500	5770	5300
MIN	400	200	180	180	180	160	160	400	2000	855	1700	1600
CFSM	.28	.13	.09	.08	.09	.08	.10	2.63	1.47	1.14	1.38	1.34
IN.	.32	.15	.10	.10	.09	.09	.11	3.04	1.64	1.31	1.60	1.50
AC-FT	37230	16860	11660	11290	10390	10330	13150	351280	189400	151500	184600	173000

CAL YR 1974 TOTAL 315056 MEAN 863 MAX 5850 MIN 64 CFSM .40 IN 5.40 AC-FT 624900
WTR YR 1975 TOTAL 585220 MEAN 1603 MAX 23500 MIN 160 CFSM .74 IN 10.03 AC-FT 1161000

NOTE.--No gage-height record Oct. 11 to May 8.

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-14	0630	15.85	25,100	7-22	0700	11.86	10,600
6-12	0200	11.91	10,700				

NOTE.--No gage-height record Oct. 11 to May 8.

15484000 Salcha River near Salchaket--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.02							---	8.83	8.08	8.99	9.22
2	7.06							---	8.63	7.96	9.22	9.90
3	7.04							---	8.74	7.86	9.15	9.83
4	6.82							---	8.75	7.77	9.01	9.54
5	6.73							---	8.49	7.68	8.99	9.35
6	6.67							---	8.32	7.60	8.94	9.22
7	6.85							---	8.34	7.55	9.04	9.05
8	6.99							---	8.45	7.50	9.21	8.91
9	6.94							8.72	3.84	7.44	9.10	8.81
10	6.86							9.12	8.64	7.40	8.93	8.70
11	---							11.55	9.69	7.37	8.83	8.62
12	---							13.95	11.22	7.35	8.80	8.60
13	---							15.48	9.79	7.41	8.67	8.83
14	---							14.82	9.17	7.44	8.54	8.97
15	---							11.79	9.37	7.54	8.43	8.86
16	---							10.40	9.53	7.58	8.33	8.73
17	---							10.39	8.90	7.60	8.26	8.62
18	---							11.20	8.52	7.57	8.19	8.53
19	---							10.36	8.31	7.81	8.13	8.46
20	---							9.25	8.19	7.98	8.08	8.39
21	---							8.73	8.28	8.79	8.04	8.32
22	---							8.53	8.55	11.50	8.02	8.26
23	---							8.82	8.48	10.46	8.03	8.22
24	---							8.05	8.29	9.43	8.00	8.18
25	---							8.79	8.27	8.98	8.15	8.15
26	---							8.77	8.73	8.97	8.16	8.12
27	---							8.98	9.25	9.27	8.70	8.07
28	---							9.02	8.95	9.55	10.10	7.98
29	---							9.07	8.55	9.78	9.86	7.96
30	---							9.36	8.27	9.39	9.40	7.93
31	---							9.28	---	9.06	9.13	---
MEAN	---							---	8.81	8.31	8.72	8.68
MAX	---							---	11.22	11.50	10.10	9.90
MIN	---							---	8.19	7.35	8.00	7.93

NOTE.--Gage heights result of backwater from ice Oct. 7-10.

15485500 Tanana River at Fairbanks

LOCATION.--Lat 64°47'54", long 147°46'32", in SW¼ sec.28, T.1 S., R.3 E., Fairbanks North Star Borough, on right bank at south end of Peger Road in Fairbanks, 2.9 mi (4.7 km) southeast of Fairbanks International Airport, and 4.6 mi (7.4 km) upstream from the Chena River.

DRAINAGE AREA.--Undefined. Part of river flows through Salchaket Slough and is ungaged.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft (121.920 m) above mean sea level. Prior to Sept. 13, 1973, non-recording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge 68,300 ft^3/s (1,930 m^3/s) July 22, gage height, 32.24 ft (9.827 m); minimum daily, 5,000 ft^3/s (140 m^3/s) Mar. 1 to Apr. 10.

Period of record: Maximum discharge, 68,300 ft^3/s (1,930 m^3/s) July 22, 1975, gage height, 32.24 ft (9.827 m); minimum, not determined.

Flood of Aug. 16, 1967 reached a stage of 34.4 ft (10.49 m), from floodmarks, discharge, about 125,000 ft^3/s (3,500 m^3/s), contained in reports of the Corps of Engineers.

REMARKS.--Records estimated prior to May 29, poor thereafter. See table of discharge measurements at miscellaneous sites for summer measurements of flow in Salchaket Slough. Records of chemical analyses and suspended-sediment loads are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16000	9000	6200	6000	5600	5000	5000	7000	27300	50500	51800	41000
2	16000	9000	6200	6000	5600	5000	5000	7000	26600	53100	52600	40800
3	16000	9000	6200	6000	5600	5000	5000	7500	29600	53300	53000	40300
4	16000	9000	6200	6000	5600	5000	5000	7500	36100	51800	52200	39100
5	16000	9000	6200	6000	5600	5000	5000	8000	40000	51400	52300	37500
6	14000	9000	6200	6000	5600	5000	5000	9000	43000	50700	51400	36300
7	14000	9000	6200	6000	5600	5000	5000	10000	44000	49900	49600	35000
8	14000	9000	6200	6000	5600	5000	5000	12000	44000	50600	48000	33500
9	14000	9000	6200	6000	5600	5000	5000	15000	45000	52500	47000	32200
10	14000	9000	6200	6000	5600	5000	5000	20000	44000	53900	46000	31300
11	13000	8000	6200	6000	5600	5000	5000	30000	41000	54700	46200	29800
12	13000	8000	6200	6000	5600	5000	5000	45000	38000	56900	46000	32600
13	13000	8000	6200	6000	5600	5000	5000	52000	41000	59400	46300	41300
14	13000	8000	6200	6000	5600	5000	5000	55000	39000	59900	47300	41000
15	13000	8000	6200	6000	5600	5000	5000	54000	37400	60600	48300	38200
16	12000	8000	6200	6000	5600	5000	5000	50000	38600	60100	49000	35500
17	12000	8000	6200	6000	5600	5000	5500	45000	38600	58200	49900	34200
18	12000	8000	6200	6000	5600	5000	5500	40000	38200	57800	49400	33600
19	12000	8000	6200	6000	5600	5000	5500	35000	38800	58200	48600	35600
20	12000	8000	6200	6000	5600	5000	5500	33000	40800	60300	48100	38700
21	11000	7000	6200	6000	5600	5000	6000	32000	50600	65400	47300	37900
22	11000	7000	6200	6000	5600	5000	6000	30000	54200	67300	46400	35800
23	11000	7000	6200	6000	5600	5000	6000	30000	53700	66200	45100	34300
24	11000	7000	6200	6000	5600	5000	6000	29000	51100	62700	44200	33800
25	11000	7000	6200	6000	5600	5000	6000	29000	48000	60700	43400	32600
26	10000	7000	6000	6000	5600	5000	6500	28000	45100	61900	43800	31300
27	10000	7000	6000	6000	5600	5000	6500	28000	45100	63300	44300	30200
28	10000	7000	6000	6000	5600	5000	6500	28000	45800	60100	45700	29100
29	10000	7000	6000	6000	---	5000	6500	27600	45500	59000	44200	28200
30	10000	7000	6000	6000	---	5000	6500	28600	47300	56200	41800	27100
31	10000	---	6000	6000	---	5000	---	29200	---	52800	40700	---
TOTAL	390000	240000	191000	186000	156800	155000	164500	861400	1257400	1779400	1470100	1047800
MEAN	12580	8000	6161	6000	5600	5000	5483	27790	41910	57400	47420	34930
MAX	16000	9000	6200	6000	5600	5000	6500	55000	54200	67300	53000	41300
MIN	10000	7000	6000	6000	5600	5000	5000	7000	26600	49900	40700	27100
AC-FT	773600	476000	378800	368900	311000	307400	326300	1709000	2494000	3529000	2916000	2078000

CAL YR 1974 TOTAL 6296600 MEAN 17250 MAX 57800 MIN 3100 AC-FT 12490000
WTR YR 1975 TOTAL 7899400 MEAN 21640 MAX 67300 MIN 5000 AC-FT 15670000

NOTE.--No gage-height record Oct. 1 to May 28.

15493000 Chena River near Two Rivers

LOCATION.--Lat 64°53'55", long 146°24'42", in SW¼ sec.19, T.1 N., R.7 E., Fairbanks North Star Borough, on downstream side of bridge near midspan at mile 37.9 (61.0 km) on the Chena Hot Springs Highway, 20 mi (32 km) east of Two Rivers, and 39 mi (63 km) east of Fairbanks.

DRAINAGE AREA.--941 mi² (2,437 km²).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft (213.360 m) above mean sea level (Alaska Department of Highways TBM).

AVERAGE DISCHARGE.--8 years, 719 ft³/s (20.4 m³/s), 10.38 in/yr (264 mm/yr), 520,900 acre-ft/yr (642 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 16,800 ft³/s (476 m³/s) May 12, gage height, 21.05 ft (6.416 m); minimum daily, 80 ft³/s (2.3 m³/s) Feb. 1 to Apr. 5.

Period of record: Maximum discharge, 16,800 ft³/s (476 m³/s) May 12, 1975, gage height, 21.05 ft (6.416 m); minimum daily, 20 ft³/s (0.6 m³/s) Feb. 6 to Mar. 12, 1970.

Flood of Aug. 13, 1967 reached a stage of 26.6 ft (8 1 m), from floodmarks, discharge not determined.

REMARKS.--Records estimated prior to May 9, fair thereafter. Records of chemical analysis for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	410	210	170	130	80	80	80	350	1300	799	1570	1560
2	400	210	170	130	80	80	80	460	1210	730	1510	1830
3	390	210	170	130	80	80	80	600	1190	641	1420	1770
4	370	210	170	120	80	80	80	800	1130	489	1340	1660
5	350	210	170	120	80	80	80	900	1050	457	1290	1710
6	340	210	160	120	80	80	90	1100	974	440	1270	1720
7	330	210	160	120	80	80	90	1500	918	430	1520	1610
8	320	200	160	120	80	80	90	2200	878	430	1810	1510
9	300	200	160	110	80	80	90	2760	841	420	1710	1480
10	290	200	160	110	80	80	90	3240	808	420	1550	1480
11	280	200	160	110	80	80	90	6370	2730	420	1410	1480
12	280	190	160	100	80	80	90	14200	2610	420	1300	1500
13	270	190	160	100	80	80	90	12000	2040	420	1210	1640
14	260	190	160	100	80	80	100	6430	1630	435	1120	1600
15	260	190	160	100	80	80	100	3800	1410	513	1040	1550
16	250	190	160	100	80	80	100	3150	1270	526	988	1450
17	250	190	160	100	80	80	100	4160	1120	540	938	1400
18	250	180	150	100	80	80	100	4980	988	557	898	1350
19	240	180	150	90	80	80	110	2750	907	674	864	1300
20	240	180	150	90	80	80	110	1920	850	680	841	1250
21	240	180	150	90	80	80	110	1610	796	3560	823	1200
22	240	180	150	90	80	80	120	1860	789	3380	825	1150
23	230	180	150	90	80	80	120	1880	814	2200	820	1100
24	230	180	150	90	80	80	130	1720	797	1680	808	1050
25	230	180	150	90	80	80	130	1600	788	1440	822	980
26	230	170	150	90	80	80	140	1580	984	1900	874	940
27	220	170	150	90	80	80	160	1600	1160	2520	1620	880
28	220	170	140	90	80	80	180	1460	1090	3140	2360	840
29	220	170	140	90	---	80	210	1670	983	2780	2160	800
30	220	170	140	90	---	80	270	1740	884	2220	1860	760
31	220	---	140	90	---	80	---	1520	---	1670	1600	---
TOTAL	8580	5700	4830	3190	2240	2480	3410	91910	34939	36931	40171	40550
MEAN	277	190	156	103	80.0	80.0	114	2965	1165	1191	1296	1352
MAX	410	210	170	130	80	80	270	14200	2730	3560	2360	1830
MIN	220	170	140	90	80	80	80	350	788	420	808	760
CFSM	.29	.20	.17	.11	.09	.09	.12	3.15	1.24	1.27	1.38	1.44
IN.	.34	.23	.19	.13	.09	.10	.13	3.63	1.38	1.46	1.59	1.60
AC-FT	17020	11310	9580	6330	4440	4920	6760	182300	69300	73250	79680	80430

CAL YR 1974 TOTAL 153407 MEAN 420 MAX 2710 MIN 36 CFSM .45 IN 6.06 AC-FT 304300
WTR YR 1975 TOTAL 274931 MEAN 753 MAX 14200 MIN 80 CFSM .80 IN 10.87 AC-FT 545300

NOTE.--No gage height record Oct. 7 to May 8.

15493000 Chena River near Two Rivers--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.45							---	15.68	15.12	15.90	15.90
2	14.43							---	15.59	15.04	15.86	16.11
3	14.43							---	15.57	14.92	15.78	16.07
4	14.46							---	15.51	14.68	15.72	15.98
5	14.44							---	15.43	14.63	15.67	16.02
6	14.41							---	15.34	---	15.65	16.03
7	---							---	15.27	---	15.86	15.94
8	---							---	15.22	---	16.09	15.86
9	---							16.56	15.18	---	16.02	15.83
10	---							16.85	15.14	---	15.89	15.83
11	---							18.46	16.61	---	15.78	15.83
12	---							20.59	16.63	---	15.68	15.85
13	---							20.11	16.26	14.57	15.59	15.97
14	---							18.55	15.96	14.59	15.50	---
15	---							17.29	15.77	14.72	15.42	---
16	---							16.95	15.65	14.74	15.36	---
17	---							17.48	15.58	14.77	15.30	---
18	---							17.89	15.36	14.79	15.25	---
19	---							16.72	15.26	14.96	15.21	---
20	---							16.17	15.19	14.97	15.18	---
21	---							15.94	15.12	16.97	15.15	---
22	---							16.12	15.11	17.06	15.16	---
23	---							16.14	15.14	16.36	15.14	---
24	---							16.03	15.12	16.00	15.13	---
25	---							15.93	15.11	15.80	15.15	---
26	---							15.92	15.36	16.16	15.22	---
27	---							15.93	15.54	16.57	15.92	---
28	---							15.82	15.47	16.94	16.48	---
29	---							15.99	15.35	16.73	16.34	---
30	---							16.03	15.23	16.38	16.13	---
31	---							15.87	---	15.99	15.93	---
MEAN	---							---	15.49	---	15.63	---
MAX	---							---	16.63	---	16.48	---
MIN	---							---	15.11	---	15.13	---

NOTE.--Gage height result of backwater from ice Oct. 1-6.

15493500 Chena River near North Pole

LOCATION.--Lat 64°47'47", long 147°11'56", in SW¼ sec.29, T.1 S., R.3 E., Fairbanks North Star Borough, on left bank 5.5 mi (8.8 km) northeast of North Pole, 6 mi (10 km) upstream from Potlatch Creek, 11 mi (18 km) downstream from Mullen Slough, and 15.7 mi (25.3 km) east of Fairbanks.

DRAINAGE AREA.--1,430 mi² (3,704 km²).

PERIOD OF RECORD.--May 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 478.08 ft (145.719 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum discharge, 12,300 ft³/s (348 m³/s) May 14, gage height, 14.18 ft (4.322 m); minimum daily, 100 ft³/s (2.8 m³/s) Jan. 28 to Apr. 5.

Period of record: Maximum discharge, 12,300 ft³/s (348 m³/s) May 14, 1975, gage height, 14.18 ft (4.322 m); minimum daily, 50 ft³/s (1.4 m³/s) Mar. 1-20, 1974.

REMARKS.--Records good except those for Oct. 9 to May 6, which are estimated. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	608	300	250	200	100	100	100	350	1540	860	2000	1840
2	602	300	250	200	100	100	100	500	1420	799	1870	2080
3	578	300	250	180	100	100	100	800	1420	757	1820	2190
4	548	300	250	180	100	100	100	1200	1420	715	1730	2080
5	506	300	250	180	100	100	100	1700	1330	674	1670	2080
6	524	300	250	160	100	100	120	2100	1240	644	1640	2140
7	530	300	250	160	100	100	120	2120	1160	614	1620	2020
8	536	300	250	160	100	100	120	2220	1120	590	1860	1900
9	520	300	250	160	100	100	120	2570	1080	578	1940	1820
10	500	300	250	160	100	100	120	3420	1050	566	1800	1730
11	450	300	250	140	100	100	140	6350	1120	548	1670	1670
12	450	300	250	140	100	100	140	10000	2450	536	1580	1630
13	450	300	250	140	100	100	140	11800	2240	524	1480	1680
14	400	300	250	140	100	100	140	12000	1730	536	1410	1750
15	400	300	200	140	100	100	140	8180	1500	584	1330	1730
16	400	300	200	140	100	100	140	4780	1490	602	1260	1650
17	400	300	200	140	100	100	160	4250	1380	614	1190	1580
18	350	300	200	120	100	100	160	5270	1190	626	1140	1530
19	350	300	200	120	100	100	160	4800	1090	662	1100	1470
20	350	300	200	120	100	100	160	3210	1010	694	1060	1410
21	350	300	200	120	100	100	180	2500	940	892	1040	1360
22	350	300	200	120	100	100	180	2220	916	4020	1040	1330
23	350	300	200	120	100	100	180	2230	964	3970	1070	1280
24	350	300	200	120	100	100	200	2130	972	2720	1070	1250
25	300	300	200	120	100	100	200	2000	948	2150	1070	1210
26	300	300	200	120	100	100	200	1870	948	1980	1080	1180
27	300	300	200	120	100	100	220	1830	1160	2260	1270	1120
28	300	300	200	100	100	100	230	1750	1210	2720	2110	1070
29	300	300	200	100	---	100	240	1660	1070	3170	2400	1040
30	300	300	200	100	---	100	260	1790	956	2720	2160	1020
31	300	---	200	100	---	100	---	1700	---	2290	1940	---
TOTAL	12952	9000	6900	4320	2800	3100	4670	109300	38864	41615	47420	47840
MEAN	418	300	223	139	100	100	156	3526	1269	1342	1530	1595
MAX	608	300	250	200	100	100	260	12000	2450	4020	2400	2190
MIN	300	300	200	100	100	100	100	350	916	524	1040	1020
CFSM	.29	.21	.16	.10	.07	.07	.11	2.47	.89	.94	1.07	1.12
IN.	.34	.23	.18	.11	.07	.08	.12	2.84	.99	1.08	1.23	1.24
AC-FT	25690	17850	13690	8570	5550	6150	9260	216800	75500	82540	94060	94890

CAL YR 1974 TOTAL 190381 MEAN 522 MAX 2600 MIN 50 CFSM .37 IN 4.95 AC-FT 377600
WTR YR 1975 TOTAL 327981 MEAN 899 MAX 12000 MIN 100 CFSM .63 IN 8.53 AC-FT 650600

NOTE.--No gage-height record Oct. 9 to May 6.

15511000 Little Chena River near Fairbanks

LOCATION.--Lat 64°53'10", long 147°14'50", in NE¼ sec.25, T.1 N., R.2 E., Fairbanks North Star Borough, on downstream side of left bridge abutment at mile 11.9 (19.1 km) on Chena Hot Springs Highway, and 14 mi (23 km) northeast of Fairbanks.

DRAINAGE AREA.--372 mi² (963 km²).

PERIOD OF RECORD.--August 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 490 ft (150 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 232 ft³/s (6.57 m³/s), 8.47 in/yr (215 mm/yr), 168,100 acre-ft/yr (207 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,980 ft³/s (84.4 m³/s) May 13, gage height, 26.06 ft (7.943 m); minimum daily, 15 ft³/s (0.4 m³/s) Feb. 21 to Apr. 15.
Period of record: Maximum discharge, 17,000 ft³/s (481 m³/s) Aug. 13, 1967, gage height, 31.95 ft (9.738 m), from rating curve extended above 3,000 ft³/s (85 m³/s) on basis of contracted-opening determination of peak flow; no flow Mar. 11 to Apr. 15, 1967.

REMARKS.--Records fair except those for Oct 2 to May 8, which are estimated. Records of water temperatures for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD Alaska, 1969: 1967. WRD Alaska, 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	60	50	40	20	15	15	200	269	147	396	436
2	140	60	50	40	20	15	15	300	260	142	483	451
3	140	60	50	40	20	15	15	400	253	139	462	428
4	140	60	50	40	20	15	15	500	241	134	447	418
5	140	60	50	40	20	15	15	600	231	127	464	403
6	130	60	50	30	20	15	15	700	220	122	435	393
7	130	60	50	30	20	15	15	770	215	118	447	373
8	120	60	50	30	20	15	15	840	209	115	489	359
9	120	60	50	30	20	15	15	868	200	112	444	345
10	110	60	50	30	20	15	15	889	193	109	400	334
11	110	60	50	30	20	15	15	1870	190	105	365	329
12	110	60	50	30	20	15	15	2440	195	102	339	334
13	110	60	50	30	20	15	15	2900	195	101	319	338
14	100	60	50	30	20	15	15	2070	187	118	304	335
15	100	60	50	30	20	15	15	1040	197	129	290	327
16	100	60	50	30	20	15	20	748	208	136	278	318
17	90	60	50	30	20	15	20	700	190	143	268	307
18	90	60	50	30	20	15	20	791	180	146	262	302
19	90	60	50	25	20	15	20	639	182	166	254	297
20	80	60	50	25	20	15	20	485	176	158	247	290
21	80	60	50	25	15	15	25	422	168	642	245	284
22	80	60	50	25	15	15	25	395	167	876	272	278
23	80	60	50	25	15	15	25	380	167	529	287	273
24	70	60	40	25	15	15	30	349	161	411	277	268
25	70	60	40	25	15	15	30	332	159	366	286	263
26	70	50	40	25	15	15	40	327	171	372	306	254
27	70	50	40	25	15	15	50	318	181	470	516	234
28	70	50	40	25	15	15	60	298	169	555	559	233
29	70	50	40	25	---	15	80	305	160	515	490	236
30	70	50	40	25	---	15	100	303	153	427	426	238
31	70	---	40	25	---	15	---	284	---	376	397	---
TOTAL	3097	1750	1470	915	520	465	790	23463	5847	8108	11454	9670
MEAN	99.9	58.3	47.4	29.5	18.6	15.0	26.3	757	195	262	369	322
MAX	147	60	50	40	20	15	100	2900	269	876	559	451
MIN	70	50	40	25	15	15	15	200	153	101	245	233
CFSM	.27	.16	.13	.08	.05	.04	.07	2.03	.52	.70	.99	.87
IN.	.31	.17	.15	.09	.05	.05	.08	2.35	.58	.81	1.15	.97
AC-FT	6140	3470	2920	1810	1030	922	1570	46540	11600	16080	22720	19180

CAL YR 1974 TOTAL 54438 MEAN 149 MAX 878 MIN 14 CFSM .40 IN 5.44 AC-FT 108000
WTR YR 1975 TOTAL 67549 MEAN 185 MAX 2900 MIN 15 CFSM .50 IN 6.75 AC-FT 134000

NOTE:--No gage-height record Oct. 5 to May 8.

15511000 Little Chena River near Fairbanks--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.51							---	12.33	11.51	13.17	13.44
2	13.35							---	12.27	11.48	13.75	13.54
3	13.21							---	12.22	11.46	13.62	13.39
4	13.06							---	12.14	11.43	13.51	13.26
5	---							---	12.07	11.38	13.63	13.22
6	---							---	12.00	11.34	13.43	13.15
7	---							---	11.96	11.32	13.51	13.02
8	---							---	11.93	11.30	13.79	12.93
9	---							16.24	11.87	11.28	13.58	12.83
10	---							16.37	11.82	11.26	13.20	12.76
11	---							21.81	11.80	11.23	12.96	12.73
12	---							24.54	11.84	11.21	12.79	12.76
13	---							25.89	11.83	11.21	12.66	12.79
14	---							22.68	11.78	11.32	12.56	12.77
15	---							17.30	11.85	11.40	12.47	12.71
16	---							15.49	11.92	11.44	12.39	12.65
17	---							15.19	11.80	11.49	12.32	12.58
18	---							15.75	11.73	11.51	12.28	12.55
19	---							14.78	11.75	11.64	12.23	12.51
20	---							13.76	11.71	11.59	12.18	12.47
21	---							13.34	11.66	14.73	12.17	12.43
22	---							13.17	11.64	16.28	12.35	12.39
23	---							13.07	11.65	14.06	12.45	12.35
24	---							12.86	11.61	13.27	12.38	12.32
25	---							12.75	11.59	12.97	12.44	12.29
26	---							12.71	11.67	13.02	12.57	12.23
27	---							12.65	11.74	13.67	13.97	12.09
28	---							12.52	11.66	14.23	14.26	12.09
29	---							12.56	11.60	13.97	13.80	12.11
30	---							12.55	11.55	13.38	13.37	12.12
31	---							12.43	---	13.04	13.18	---
MEAN	---							---	11.83	12.27	13.00	12.68
MAX	---							---	12.33	16.28	14.26	13.54
MIN	---							---	11.55	11.21	12.17	12.09

NOTE.--Gage heights result of backwater from ice Oct. 2-4.

15514000 Chena River at Fairbanks

LOCATION.--Lat 64°50'45", long 147°42'04", in NW¼ sec.11, T.1 S., R.1 W., Fairbanks North Star Borough, on right bank 800 ft (240 m) upstream from bridge on Steese Highway (U.S. Highway 97) in Fairbanks, 0.3 mi (0.5 km) upstream from Noyes Slough, 11 mi (18 km) upstream from mouth, and 11 mi (18 km) downstream from Chena Slough.

DRAINAGE AREA.--1,980 mi² (5,130 km²), approximately.

PERIOD OF RECORD.--July 1947 to September 1948 (no winter records), October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 422.92 ft (128.906 m) above mean sea level. See WSP 1936 for history of changes prior to May 2, 1960. May 2, 1960 to Sept. 30, 1966, nonrecording gage at bridge 800 ft (240 m) downstream at datum 0.20 ft (0.061 m) lower. Oct. 1, 1966 to Apr. 27, 1968, nonrecording gage 800 ft (240 m) downstream at same datum.

AVERAGE DISCHARGE.--27 years (1948-74), 1,484 ft³/s (42.0 m³/s), 10.18 in/yr (259 mm/yr), 1,075,000 acre-ft/yr (1.33 km³/yr).

EXTREMES.--Current year: Maximum discharge, 12,100 ft³/s (343 m³/s) May 15, gage height, 10.63 ft (3.240 m); minimum daily, 220 ft³/s (6.2 m³/s) Mar. 19 to Apr. 7.
Period of record: Maximum discharge, 74,400 ft³/s (2,110 m³/s) Aug. 15, 1967, gage height, 18.82 ft (5.736 m), site then in use; minimum not determined.

REMARKS.--Records fair except those for Oct. 3 to May 3, which are estimated. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD Alaska, 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	936	400	370	330	250	230	220	500	2360	1430	2990	2700
2	920	400	370	320	250	230	220	610	2180	1360	2810	2810
3	910	400	360	320	250	230	220	700	2060	1240	2790	3050
4	890	400	360	310	250	230	220	814	2000	1130	2690	2970
5	880	400	360	310	250	230	220	1630	1910	1070	2600	2890
6	830	400	360	300	250	230	220	2940	1810	1010	2600	2910
7	770	400	360	300	250	230	220	3260	1710	962	2480	2900
8	720	400	360	290	240	230	230	3730	1640	923	2650	2750
9	680	400	360	290	240	230	230	3760	1590	887	2860	2640
10	610	400	360	280	240	230	230	4160	1540	864	2760	2540
11	580	390	360	280	240	230	240	5990	1510	864	2580	2450
12	560	390	360	280	240	230	240	9460	2140	864	2440	2380
13	540	390	360	280	240	230	240	11000	2960	864	2310	2380
14	520	390	360	270	240	230	250	11600	2510	864	2120	2480
15	500	390	360	270	240	230	250	11900	2150	875	2020	2480
16	490	390	360	270	240	230	250	8710	2040	892	1920	2400
17	470	390	360	270	240	230	250	5890	2010	920	1820	2300
18	460	390	350	270	230	230	250	5830	1850	930	1750	2220
19	440	390	350	270	230	220	260	6390	1710	963	1710	2130
20	420	390	350	270	230	220	260	4710	1620	1040	1650	2050
21	410	380	350	270	230	220	260	3750	1510	1130	1630	1980
22	410	380	350	270	230	220	260	3260	1400	3380	1620	1910
23	410	380	350	260	230	220	260	3140	1400	5160	1660	1860
24	410	380	350	260	230	220	270	3050	1430	4080	1680	1810
25	410	380	350	260	230	220	270	2900	1400	3230	1650	1770
26	410	380	340	260	230	220	290	2750	1370	2870	1690	1730
27	410	370	340	260	230	220	310	2660	1480	2950	1810	1670
28	410	370	340	260	230	220	360	2600	1690	3450	2520	1600
29	410	370	340	260	---	220	390	2490	1620	3890	3220	1550
30	400	370	340	250	---	220	450	2490	1510	3720	3130	1520
31	400	---	330	250	---	220	---	2530	---	3370	2870	---
TOTAL	17616	11660	10970	8640	6680	7000	7820	135404	54110	57182	71030	68890
MEAN	568	389	354	279	239	226	261	4368	1804	1845	2291	2296
MAX	936	400	370	330	250	230	450	11900	2960	5160	3220	3050
MIN	400	370	330	250	230	220	220	500	1370	864	1620	1520
CFSM	.29	.20	.18	.14	.12	.11	.13	2.21	.91	.93	1.16	1.16
IN.	.33	.22	.21	.16	.13	.13	.15	2.54	1.02	1.07	1.33	1.29
AC-FT	34940	23130	21760	17140	13250	13880	15510	268600	107300	113400	140900	136600

CAL YR 1974 TOTAL 311624 MEAN 854 MAX 4390 MIN 160 CFSM .43 IN 5.85 AC-FT 618100
WTR YR 1975 TOTAL 457082 MEAN 1252 MAX 11900 MIN 220 CFSM .63 IN 8.59 AC-FT 906600

PEAK DISCHARGE (BASE, 6,000 CFS).--May 15(0130) 12,100 ft³/s (10.63 ft).
NOTE.--No gage-height record Oct. 3 to May 3, except occasional days.

15514000 Chena River at Fairbanks--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.32							---	2.92	1.94	3.57	3.27
2	---							---	2.74	1.86	3.38	3.39
3	---							---	2.62	1.73	3.36	3.63
4	---							1.21	2.56	1.61	3.25	3.55
5	---							2.14	2.47	1.53	3.17	3.46
6	---							3.47	2.36	1.46	3.17	3.54
7	---							3.75	2.25	1.40	3.09	3.48
8	---							4.19	2.17	1.35	3.23	3.33
9	---							4.21	2.12	1.31	3.47	3.21
10	1.02							4.57	2.06	1.28	3.36	3.10
11	---							6.10	2.03	1.28	3.16	3.01
12	---							8.75	2.69	1.28	3.00	2.93
13	---							9.87	3.54	1.28	2.87	2.93
14	---							10.45	3.07	1.28	2.68	3.04
15	---							10.52	2.71	1.29	2.58	3.05
16	---							8.25	2.60	1.32	2.48	2.96
17	---							6.29	2.57	1.35	2.37	2.86
18	---							6.25	2.41	1.36	2.30	2.78
19	---							6.66	2.25	1.40	2.25	2.69
20	---							5.27	2.16	1.50	2.18	2.61
21	---							4.32	2.03	1.61	2.15	2.54
22	---							3.84	1.90	3.94	2.15	2.47
23	---							3.72	1.91	5.69	2.19	2.41
24	---							3.62	1.94	4.64	2.22	2.36
25	---							3.48	1.90	3.81	2.19	2.32
26	---							3.33	1.88	3.44	2.23	2.27
27	---							3.23	1.99	3.52	2.36	2.21
28	---							3.17	2.23	4.02	3.08	2.13
29	---							3.05	2.16	4.47	3.79	2.07
30	---							3.05	2.03	4.29	3.70	2.04
31	---							3.09	---	3.95	3.45	---
MEAN	---							---	2.34	2.33	2.85	2.85
MAX	---							---	3.54	5.69	3.79	3.63
MIN	---							---	1.88	1.28	2.15	2.04

15514500 Wood River near Fairbanks

LOCATION.--Lat 64°26'06", long 148°12'46", in SE¼ sec.31, T.5 S., R.3 W., Fairbanks North Star Borough, on right bank, 16.8 mi (27.0 km) southeast of mouth, and 32 mi (51 km) southwest of Fairbanks.

DRAINAGE AREA.--855 mi² (2,214 km²).

PERIOD OF RECORD.--September 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 530 ft (162 m) from topographic map.

AVERAGE DISCHARGE.--7 years, 489 ft³/s (13.8 m³/s), 7.77 in/yr (197 mm/yr), 354,300 acre-ft/yr (437 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,340 ft³/s (151 m³/s) Aug. 4, gage height, 8.83 ft (2.691 m), from rating curve extended above 3,600 ft³/s (102 m³/s); minimum daily, 90 ft³/s (2.5 m³/s) Mar. 1 to Apr. 30.

Period of record: Maximum discharge, 5,340 ft³/s (151 m³/s) Aug. 4, 1975, gage height, 8.83 ft (2.691 m), from rating curve extended above 3,600 ft³/s (102 m³/s); minimum daily, 60 ft³/s (1.7 m³/s) Feb. 14 to Apr. 10, 1973.

Flood of August 1967 reached a stage of 11.8 ft (3.60 m), from floodmarks, discharge not determined.

REMARKS.--Records estimated prior to July 18, poor thereafter.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	150	100	100	100	90	90	100	1900	1000	2690	1570
2	370	150	100	100	100	90	90	100	2100	1000	2470	1400
3	370	150	100	100	100	90	90	100	2300	1000	2090	1270
4	370	150	100	100	100	90	90	110	2600	1000	4510	1170
5	370	150	100	100	100	90	90	120	3000	1000	4300	1090
6	300	110	100	100	100	90	90	130	2500	1000	3060	1010
7	300	110	100	100	100	90	90	140	2000	1100	2720	920
8	300	110	100	100	100	90	90	160	1800	1200	2370	880
9	300	110	100	100	100	90	90	170	1500	1300	2070	856
10	300	110	100	100	100	90	90	180	1300	1400	1830	840
11	300	110	100	100	100	90	90	210	1100	1600	2000	816
12	300	110	100	100	100	90	90	250	1000	1700	1770	880
13	300	110	100	100	100	90	90	300	1000	1900	1720	848
14	300	110	100	100	100	90	90	350	1100	1900	1700	808
15	300	110	100	100	100	90	90	400	1200	1610	1550	768
16	200	110	100	100	100	90	90	450	1500	1600	1740	732
17	200	110	100	100	100	90	90	500	1800	1600	1600	704
18	200	110	100	100	100	90	90	600	2200	1620	1380	690
19	200	110	100	100	100	90	90	700	2800	1720	1350	732
20	200	110	100	100	100	90	90	900	3000	2970	1200	711
21	200	110	100	100	100	90	90	1000	2700	3540	1130	678
22	200	110	100	100	100	90	90	1100	2500	2530	1280	660
23	200	110	100	100	100	90	90	1100	2000	1970	1330	648
24	200	110	100	100	100	90	90	1200	1500	1590	1390	636
25	200	110	100	100	100	90	90	1200	1300	1460	1450	642
26	150	110	100	100	100	90	90	1300	1200	1800	1610	642
27	150	110	100	100	100	90	90	1400	1300	2040	2690	618
28	150	110	100	100	100	90	90	1400	1500	2280	2430	606
29	150	110	100	100	---	90	90	1500	1800	1740	1790	598
30	150	110	100	100	---	90	90	1600	2000	1380	1650	598
31	150	---	100	100	---	90	---	1700	---	1610	1500	---
TOTAL	7750	3500	3100	3100	2800	2790	2700	20470	55500	51240	62450	25021
MEAN	250	117	100	100	100	90.0	90.0	660	1850	1653	2015	834
MAX	370	150	100	100	100	90	90	1700	3000	3540	4510	1570
MIN	150	110	100	100	100	90	90	100	1000	1000	1130	598
CFSM	.29	.14	.12	.12	.12	.11	.11	.77	2.16	1.93	2.36	.98
IN.	.34	.15	.13	.13	.12	.12	.12	.89	2.41	2.23	2.72	1.09
AC-FT	15370	6940	6150	6150	5550	5530	5360	40600	110100	101600	123900	49630

CAL YR 1974 TOTAL 174954 MEAN 479 MAX 3110 MIN 70 CFSM .56 IN 7.61 AC-FT 347000
WTR YR 1975 TOTAL 240421 MEAN 659 MAX 4510 MIN 90 CFSM .77 IN 10.46 AC-FT 476900

NOTE.--No gage-height record Oct. 1 to July 17 except occasional days.

15515500 Tanana River at Nenana

LOCATION.--Lat 64°33'55", long 149°05'30", in SE¼ sec.14 T.4 S., R.8 W., on left bank on east end of Alaska Railroad dock in Nenana, and 0.3 mi (0.5 km) upstream from Nenana River.

DRAINAGE AREA.--25,600 mi² (66,300 km²), approximately.

PERIOD OF RECORD.--May 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 338.50 ft (103.175 m) above mean sea level. Prior to Mar. 10, 1965, on right bank 280 ft (85 m) downstream from railroad bridge 0.5 mi (0.8 km) upstream at same datum. Mar. 10, 1965 to Mar. 23, 1968, nonrecording gage on railroad bridge 0.5 mi (0.8 km) upstream at same datum.

AVERAGE DISCHARGE.--13 years, 23,850 ft³/s (675 m³/s), 12.65 in/yr (321 mm/yr), 17,280,000 acre-ft/yr (21.3 km³/yr).

EXTREMES.--Current year: Maximum discharge, 85,700 ft³/s (2,430 m³/s) July 22, gage height, 11.67 ft (3.557 m); minimum daily, 5,600 ft³/s (160 m³/s) Mar. 1 to Apr. 17.

Period of record: Maximum discharge, 186,000 ft³/s (5,270 m³/s) Aug. 18, 1967, gage height, 18.90 ft (5.761 m), site then in use; minimum not determined.

Flood of May 1948 reached a stage of 15.9 ft (4.85 m), discharge, about 135,000 ft³/s (3,820 m³/s), contained in reports of Corps of Engineers.

REMARKS.--Records fair except those for the period Oct.3 to May 15, which are estimated. Records of chemical analyses for the current year are published in Section 2 of this report.

REVISIONS.--WRD Alaska, 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22000	10000	7500	6300	6000	5600	5600	9600	37200	56200	66200	44100
2	20200	10000	7500	6300	6000	5600	5600	10000	37000	57200	64000	43300
3	20000	10000	7500	6300	6000	5600	5600	11000	37200	57400	67400	42700
4	20000	10000	7500	6300	6000	5600	5600	12000	40300	55900	70000	41600
5	20000	10000	7500	6300	6000	5600	5600	14000	45300	55100	71500	40100
6	18000	9000	7000	6300	6000	5600	5600	15000	47800	54800	70500	38200
7	18000	9000	7000	6300	6000	5600	5600	17000	46700	54300	67400	37000
8	18000	9000	7000	6300	6000	5600	5600	20000	47800	53900	64700	36500
9	16000	9000	7000	6300	6000	5600	5600	26000	48100	55600	61300	35500
10	16000	9000	7000	6300	6000	5600	5600	30000	49100	58100	58900	34400
11	16000	8500	7000	6300	6000	5600	5600	38000	45800	59200	56000	36400
12	16000	8500	7000	6300	6000	5600	5600	48000	42900	62000	53600	36400
13	16000	8500	7000	6300	6000	5600	5600	56000	46000	66800	52100	40200
14	16000	8500	7000	6300	6000	5600	5600	66000	43700	68400	51700	42600
15	14000	8500	7000	6300	6000	5600	5600	70000	41600	69200	51700	41200
16	14000	8000	7000	6300	6000	5600	5600	61300	40700	69400	54900	38200
17	14000	8000	7000	6300	6000	5600	5600	53000	42000	69000	56700	36700
18	14000	8000	7000	6300	6000	5600	5700	48300	42500	69600	56300	36700
19	14000	8000	7000	6300	6000	5600	5800	47500	42400	69500	53900	36500
20	14000	8000	7000	6300	6000	5600	6000	44200	44400	68300	52200	39300
21	12000	8000	6500	6300	6000	5600	6100	37900	55100	76200	50600	40500
22	12000	8000	6500	6300	6000	5600	6400	36100	63700	83400	49900	38500
23	12000	8000	6500	6300	6000	5600	6600	36000	64000	85400	48300	37000
24	12000	8000	6500	6300	6000	5600	7000	36000	59800	82300	46100	32900
25	12000	8000	6500	6300	6000	5600	7200	36300	54200	75700	44800	32000
26	11000	7500	6500	6300	6000	5600	7600	35700	50200	72400	44700	31000
27	11000	7500	6500	6300	6000	5600	8000	35500	48700	77100	48600	30000
28	11000	7500	6500	6300	6000	5600	8200	36000	49200	80200	51200	29000
29	11000	7500	6500	6300	---	5600	8600	35600	50700	78600	51000	29000
30	11000	7500	6500	6300	---	5600	9000	35500	52200	74400	47500	28000
31	11000	---	6500	6300	---	5600	---	36700	---	68600	44700	---
TOTAL	462200	255000	214000	195300	168000	173600	187400	1095000	1416300	2076200	1732000	1100500
MEAN	14910	8500	6903	6300	6000	5600	6247	35320	47210	66970	55870	36680
MAX	22000	10000	7500	6300	6000	5600	9000	70000	64000	85400	71500	44100
MIN	11000	7500	6500	6300	6000	5600	5600	9600	37000	53900	44700	28000
CFSM	.58	.33	.27	.25	.23	.22	.24	1.38	1.84	2.62	2.18	1.44
IN.	.67	.37	.31	.28	.24	.25	.27	1.[illegible]	2.06	3.02	2.52	1.61
AC-FT	916800	505800	424500	387400	333200	344300	371700	2172[illegible]	2809000	4118000	3435000	2190000

CAL YR 1974 TOTAL 7315000 MEAN 20040 MAX 58900 MIN 4800 CFSM .78 IN 10.63 AC-FT 14510000
WTR YR 1975 TOTAL 9083500 MEAN 24890 MAX 85400 MIN 5600 CFSM .97 IN 13.20 AC-FT 18020000

NOTE.--No gage-height record Oct. 3 to May 15.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.90							---	6.09	8.41	9.52	6.95
2	3.60							---	6.06	8.52	9.50	6.85
3	---							---	6.08	8.54	9.65	6.77
4	---							---	6.48	8.38	10.03	6.63
5	---							---	7.10	8.29	10.11	6.46
6	---							---	7.41	8.26	10.00	6.21
7	---							---	7.28	8.20	9.66	6.06
8	---							---	7.41	8.16	9.36	6.00
9	---							---	7.45	8.35	8.98	5.87
10	---							---	7.58	8.62	8.71	5.99
11	---							---	7.16	8.74	8.48	5.99
12	---							---	6.80	9.05	8.12	5.99
13	---							---	7.18	9.59	7.95	6.47
14	---							---	6.90	9.77	7.89	6.89
15	---							---	6.64	9.85	7.90	6.59
16	---							8.93	6.53	9.88	8.27	6.21
17	---							8.14	6.69	9.83	8.47	6.03
18	---							7.47	6.75	9.45	8.43	6.02
19	---							7.37	6.76	9.44	8.15	6.00
20	---							6.97	6.98	9.76	7.96	6.35
21	---							6.17	8.28	10.63	7.77	6.50
22	---							5.94	9.24	11.43	7.68	6.25
23	---							5.93	9.27	11.64	7.48	6.06
24	---							5.93	8.02	11.31	7.20	5.52
25	---							5.97	8.19	10.58	7.04	---
26	---							5.90	7.72	10.21	7.03	---
27	---							5.87	7.53	10.73	7.51	---
28	---							5.96	7.59	11.08	7.84	---
29	---							5.89	7.77	10.90	7.81	---
30	---							5.88	7.96	10.43	7.38	---
31	---							6.03	---	9.79	7.02	---
MEAN	---							---	7.32	9.61	8.35	---
MAX	---							---	9.27	11.64	10.11	---
MIN	---							---	6.06	8.16	7.02	---

15515800 Seattle Creek near Cantwell

LOCATION.--Lat 63°19'32", long 148°14'49", Matanuska-Susitna Borough, on left downstream wingwall of bridge at mile 110.9 (178.4 km) on the Denali Highway, 22.4 mi (36.0 km) southeast of Cantwell.

DRAINAGE AREA.--36.2 mi² (93.8 km²).

PERIOD OF RECORD.--Annual maximums, water years 1963-65, published as "near Windy." October 1965 to September 1975 (discontinued as continuous-record station, converted to a crest-stage partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 2,350 ft (716 m) from topographic map. June 8, 1963 to Sept. 30, 1965, crest-stage gage 30 ft (9 m) upstream at datum 5.38 ft (1.640 m) lower.

AVERAGE DISCHARGE.--10 years, 42.2 ft³/s (1.195 m³/s), 15.83 in/yr (402 mm/yr), 30,570 acre-ft/yr (37.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 570 ft³/s (16.1 m³/s) May 29, gage height, 5.20 ft (1.585 m); minimum daily, about 9.0 ft³/s (0.25 m³/s) Mar. 16 to Apr. 25.

Period of record: Maximum discharge, 3,100 ft³/s (87.8 m³/s) June 1964, gage height, 13.43 ft (4.093 m), site and datum then in use, from floodmarks, from rating curve extended above 670 ft³/s (19 m³/s); maximum gage height, 11.37 ft (3.466 m) May 11, 1969, backwater from ice; minimum daily discharge, 5.5 ft³/s (0.16 m³/s) Feb. 16 to Apr. 15, 1970.

REMARKS.--Records poor prior to May 24 and good thereafter.

REVISIONS (WATER YEARS).--WRD Alaska 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	27	13	10	10	9.5	9.0	10	376	77	68	43
2	25	25	13	10	10	9.5	9.0	10	412	67	59	42
3	24	23	12	10	10	9.5	9.0	11	388	66	52	41
4	24	20	12	10	10	9.5	9.0	11	334	67	48	41
5	23	19	12	10	10	9.5	9.0	12	280	66	43	44
6	22	18	12	10	10	9.5	9.0	12	290	61	46	59
7	21	16	12	10	10	9.5	9.0	13	228	59	47	60
8	20	16	12	10	9.5	9.5	9.0	14	248	58	50	56
9	20	15	12	10	9.5	9.5	9.0	15	224	56	45	50
10	20	15	12	10	9.5	9.5	9.0	19	188	53	43	61
11	21	14	12	10	9.5	9.5	9.0	30	167	50	45	220
12	23	14	12	10	9.5	9.5	9.0	28	147	51	41	132
13	26	14	12	10	9.5	9.5	9.0	25	125	50	38	88
14	27	14	11	10	9.5	9.5	9.0	35	202	51	36	73
15	28	14	11	10	9.5	9.3	9.0	42	192	53	37	63
16	26	14	11	10	9.5	9.0	9.0	44	170	64	57	59
17	24	14	11	10	9.5	9.0	9.0	46	161	53	48	57
18	23	14	11	10	9.5	9.0	9.0	50	134	52	44	70
19	22	13	11	10	9.5	9.0	9.0	45	127	54	41	76
20	21	13	11	10	9.5	9.0	9.0	50	285	88	42	88
21	23	13	11	10	9.5	9.0	9.0	60	196	105	47	98
22	26	13	11	10	9.5	9.0	9.0	65	150	84	42	89
23	24	13	11	10	9.5	9.0	9.0	100	120	67	42	77
24	22	13	11	10	9.5	9.0	9.0	164	98	61	47	69
25	22	13	11	10	9.5	9.0	9.0	196	91	59	47	62
26	22	13	11	10	9.5	9.0	9.5	244	100	55	55	58
27	22	13	11	10	9.5	9.0	9.5	260	91	56	56	54
28	23	13	10	10	9.5	9.0	9.5	260	89	77	46	50
29	24	13	10	10	---	9.0	10	382	98	60	41	47
30	26	13	10	10	---	9.0	10	412	94	55	38	44
31	30	---	10	10	---	9.0	---	382	---	69	42	---
TOTAL	734	462	352	310	269.5	286.3	273.5	3047	5805	1944	1433	2071
MEAN	23.7	15.4	11.4	10.0	9.63	9.24	9.12	98.3	194	62.7	46.2	69.0
MAX	30	27	13	10	10	9.5	10	412	412	105	68	220
MIN	20	13	10	10	9.5	9.0	9.0	10	89	50	36	41
CFSM	.65	.43	.31	.28	.27	.26	.25	2.72	5.36	1.73	1.28	1.91
IN.	.75	.47	.36	.32	.28	.29	.28	3.13	5.97	2.00	1.47	2.13
AC-FT	1460	916	698	615	535	568	542	6040	11510	3860	2840	4110

CAL YR 1974 TOTAL 10706.0 MEAN 29.3 MAX 236 MIN 8.0 CFSM .81 IN 11.00 AC-FT 21240
WTR YR 1975 TOTAL 16987.3 MEAN 46.5 MAX 412 MIN 9.0 CFSM 1.28 IN 17.46 AC-FT 33690

NOTE.--No gage-height record Oct. 3 to May 17.

15518000 Nenana River near Healy

LOCATION.--Lat 63°50'43", long 148°56'37", in NW¼ sec.28, T.12 S., R.7 W., on left bank 0.5 mi (0.8 km) upstream from Healy Creek, 1.1 mi (1.8 km) southeast of Healy, and 1.2 mi (1.9 km) upstream from railroad bridge.

DRAINAGE AREA.--1,910 mi² (4,950 km²), approximately.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,270.22 ft (387.163 m) above mean sea level. Prior to Aug. 11, 1964, water-stage recorder 200 ft (61 m) downstream at same datum. Aug. 12, 1964 to Feb. 21, 1967, water-stage recorder, and Feb. 22, 1967 to Apr. 2, 1970, nonrecording gage 300 ft (91 m) upstream at same datum.

AVERAGE DISCHARGE.--25 years, 3,557 ft³/s (101 m³/s), 25.29 in/yr (642 mm/yr), 2,577,000 acre-ft/yr (3.18 km³/yr).

EXTREMES.--Current year: Maximum discharge, 17,000 ft³/s (481 m³/s) June 20, gage height, 8.77 ft (2.673 m); minimum daily, 500 ft³/s (14 m³/s) Jan. 1 to Apr. 20.

Period of record: Maximum discharge, 46,800 ft³/s (1,330 m³/s) July 25, 1967, gage height, 13.40 ft (4.084 m), from floodmarks; minimum not determined.

REMARKS.--Records good except those for Oct. 8 to May 19, which are estimated. Some diurnal fluctuation at times each year caused by snowmelt at the source. Release of water from glacier dammed lake on Yanert Glacier about 50 mi (80 km) upstream has caused some peak flows at station.

REVISIONS.--WRD Alaska 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3300	1000	700	500	500	500	500	620	9500	11800	7970	4720
2	2600	1000	700	500	500	500	500	620	9560	9770	7910	4420
3	1980	1000	700	500	500	500	500	620	10100	9440	7970	4280
4	1940	1000	700	500	500	500	500	620	10500	10100	10200	4200
5	2400	1000	700	500	500	500	500	620	10700	9650	8990	4160
6	2600	1000	700	500	500	500	500	640	9890	9500	8330	4440
7	2720	1000	700	500	500	500	500	640	9200	10100	7730	4480
8	2600	1000	700	500	500	500	500	640	9410	10100	7010	4380
9	2600	1000	700	500	500	500	500	640	10200	10300	6470	4160
10	2600	1000	700	500	500	500	500	640	9260	10000	6230	3920
11	2600	940	650	500	500	500	500	700	8150	10700	6620	5870
12	2600	940	650	500	500	500	500	700	7250	11500	6170	8720
13	2600	940	650	500	500	500	500	700	6920	11100	6410	7160
14	2600	940	650	500	500	500	500	700	7940	10400	6770	6050
15	2600	940	650	500	500	500	500	700	9230	9980	6710	5300
16	2600	940	650	500	500	500	500	800	10100	10200	7910	4800
17	2600	940	650	500	500	500	500	900	11000	9650	7520	4640
18	2600	940	650	500	500	500	500	1000	11100	9350	6530	6320
19	2600	940	650	500	500	500	500	2000	10600	9650	6050	7800
20	2600	940	650	500	500	500	500	3420	15400	11400	5420	7000
21	2000	800	620	500	500	500	600	3400	15600	13000	5330	6800
22	2000	800	620	500	500	500	600	3900	14200	12400	5120	6600
23	2000	800	620	500	500	500	600	3540	12400	10400	4880	6400
24	2000	800	620	500	500	500	600	5390	10000	9500	4920	6200
25	2000	800	620	500	500	500	600	5480	8930	8780	5120	6000
26	2000	800	620	500	500	500	600	6500	9620	8330	6200	5400
27	2000	800	620	500	500	500	600	8240	9680	8330	7880	5000
28	2000	800	620	500	500	500	600	8480	9800	8480	6320	4600
29	2000	800	620	500	---	500	600	7940	11600	7820	5270	4400
30	2000	800	620	500	---	500	600	8720	14000	7130	4800	4000
31	2000	---	620	500	---	500	---	9260	---	7340	4760	---
TOTAL	73340	27400	20320	15500	14000	15500	16000	88770	311840	306200	205520	162300
MEAN	2366	913	655	500	500	500	533	2864	10390	9877	6630	5410
MAX	3300	1000	700	500	500	500	600	9260	15600	13000	10200	8720
MIN	1940	800	620	500	500	500	500	620	6920	7130	4760	3920
CFSM	1.24	.48	.34	.26	.26	.26	.28	1.50	5.44	5.17	3.47	2.83
IN.	1.43	.53	.40	.30	.27	.30	.31	1.73	6.07	5.96	4.00	3.16
AC-FT	145500	54350	40300	30740	27770	30740	31740	176100	618500	607300	407600	321900

CAL YR 1974 TOTAL 974030 MEAN 2669 MAX 12200 MIN 190 CFSM 1.40 IN 18.97 AC-FT 1932000
WTR YR 1975 TOTAL 1256690 MEAN 3443 MAX 15600 MIN 500 CFSM 1.80 IN 24.48 AC-FT 2493000

NOTE.--No gage-height record Oct. 8 to May 19.

15534900 Poker Creek near Chatanika

LOCATION.--Lat 65°09'32", long 147°28'49", in NW¼SE¼ sec.23, T.4 N., R.1 E., Fairbanks North Star Borough, on right bank 0.7 mi (1.1 km) upstream from Caribou Creek, 2.1 mi (3.4 km) upstream from mouth, 3.3 mi (5.3 km) north of Chatanika, and 22.5 mi (36.2 km) north of Fairbanks.

DRAINAGE AREA.--23.1 mi² (59.8 km²).

PERIOD OF RECORD.--September 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 740 ft (230 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, about 240 ft³/s (6.8 m³/s) May 12, gage height 9.3 ft (2.83 m), flow over ice, on basis of runoff comparison with nearby station; minimum daily, 0.4 ft³/s (0.01 m³/s) Mar. 15 to Apr. 7.

Period of record: Maximum discharge, about 240 ft³/s (6.8 m³/s) May 12, 1975, gage height, 9.3 ft (2.83 m), flow over ice, on basis of runoff comparison with nearby station; maximum gage height, 9.51 ft (2.899 m) May 8, 1972, backwater from ice; minimum daily discharge, 0.4 ft³/s (0.01 m³/s) Mar. 15 to Apr. 7. 1975.

REMARKS.--Records estimated prior to July 2 and poor thereafter.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	4.0	2.0	.80	.60	.50	.40	25	10	6.0	21	25
2	7.0	4.0	2.0	.80	.60	.50	.40	30	10	10	20	22
3	7.0	4.0	2.0	.80	.60	.50	.40	35	10	18	16	26
4	7.0	4.0	2.0	.80	.60	.50	.40	40	9.0	25	22	31
5	7.0	4.0	2.0	.80	.60	.50	.40	45	9.0	28	36	30
6	7.0	4.0	1.5	.80	.60	.50	.40	50	9.0	30	24	28
7	7.0	4.0	1.5	.80	.60	.50	.40	55	8.0	32	21	25
8	7.0	4.0	1.5	.80	.60	.50	.50	60	8.0	32	18	22
9	7.0	4.0	1.5	.80	.60	.50	.50	70	8.0	32	14	20
10	7.0	4.0	1.5	.80	.60	.50	.50	100	7.0	32	11	18
11	7.0	3.0	1.5	.70	.60	.50	.60	150	7.0	32	8.0	22
12	7.0	3.0	1.5	.70	.60	.50	.60	200	7.0	33	5.9	24
13	7.0	3.0	1.5	.70	.60	.50	.70	100	7.0	51	2.9	25
14	7.0	3.0	1.5	.70	.60	.50	.70	60	7.0	71	2.9	23
15	7.0	3.0	1.5	.70	.60	.40	.80	50	6.0	34	1.8	20
16	6.0	3.0	1.0	.70	.60	.40	.90	40	6.0	31	1.8	17
17	6.0	3.0	1.0	.70	.60	.40	1.0	30	6.0	26	2.9	16
18	6.0	3.0	1.0	.70	.60	.40	1.1	25	6.0	32	4.9	15
19	6.0	3.0	1.0	.70	.60	.40	1.2	20	6.0	20	8.0	14
20	6.0	3.0	1.0	.60	.50	.40	1.3	20	6.0	33	10	14
21	5.0	3.0	1.0	.60	.50	.40	1.6	18	6.0	82	16	13
22	5.0	3.0	1.0	.60	.50	.40	2.0	18	6.0	37	25	12
23	5.0	3.0	1.0	.60	.50	.40	2.5	16	6.0	23	26	11
24	5.0	3.0	1.0	.60	.50	.40	3.0	16	6.0	30	24	10
25	5.0	3.0	1.0	.60	.50	.40	4.0	14	6.0	37	24	10
26	5.0	2.0	.90	.60	.50	.40	5.0	14	6.0	34	40	10
27	5.0	2.0	.90	.60	.50	.40	7.0	13	6.0	31	44	9.0
28	5.0	2.0	.90	.60	.50	.40	10	13	6.0	26	33	9.0
29	5.0	2.0	.90	.60	---	.40	15	12	6.0	17	24	8.0
30	5.0	2.0	.90	.60	---	.40	20	12	6.0	11	20	8.0
31	5.0	---	.90	.60	---	.40	---	11	---	11	22	---
TOTAL	191.0	95.0	40.40	21.50	15.90	13.80	83.30	1362	212.0	947.0	550.1	537.0
MEAN	6.16	3.17	1.30	.69	.57	.45	2.78	43.9	7.07	30.5	17.7	17.9
MAX	8.0	4.0	2.0	.80	.60	.50	20	200	10	82	44	31
MIN	5.0	2.0	.90	.60	.50	.40	.40	11	6.0	6.0	1.8	8.0
CFSM	.27	.14	.06	.03	.02	.02	.12	1.90	.31	1.32	.77	.77
IN.	.31	.15	.07	.03	.03	.02	.13	2.19	.34	1.52	.89	.86
AC-FT	379	188	80	43	32	27	165	2700	421	1880	1090	1070

CAL YR 1974 TOTAL 3154.60 MEAN 8.64 MAX 65 MIN .90 CFSM .37 IN 5.08 AC-FT 6260
WTR YR 1975 TOTAL 4069.00 MEAN 11.1 MAX 200 MIN .40 CFSM .48 IN 6.55 AC-FT 8070

NOTE.--No gage-height record Oct. 1 to July 1.

15535000 Caribou Creek near Chatanika

LOCATION.--Lat 65°09'00", long 147°33'05", in NW¼NE¼ sec.28, T.4 N., R.1 E., Fairbanks North Star Borough, on left bank 2.0 mi (3.2 km) upstream from mouth, 3.5 mi (5.6 km) northwest of Chatanika, and 21.6 mi (34.8 km) north of Fairbanks.

DRAINAGE AREA.--9.19 mi² (23.8 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 870 ft (270 m) from topographic map.

AVERAGE DISCHARGE.--6 years, 5.38 ft³/s (0.15 m³/s), 7.95 in/yr (202 mm/yr), 3,900 acre-ft/yr (4.81 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 117 ft³/s (3.31 m³/s) May 12, gage height, 5.47 ft (1.667 m), flow over ice; minimum daily, 0.9 ft³/s (0.03 m³/s) Jan. 1 to Mar. 15.
Period of record: Maximum discharge, 117 ft³/s (3.31 m³/s) May 12, 1975, gage height, 5.47 ft (1.667 m), flow over ice; minimum daily, 0.9 ft³/s (0.03 m³/s) Jan. 1 to Mar. 15, 1975.

REMARKS.--Records estimated prior to July 2, poor thereafter.

REVISIONS.--WRD Alaska 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.0	1.0	.90	.90	.90	1.0	9.0	5.0	2.0	4.2	7.8
2	3.0	2.0	1.0	.90	.90	.90	1.0	15	4.0	1.9	4.2	7.8
3	3.0	2.0	1.0	.90	.90	.90	1.3	16	4.0	1.9	4.1	8.0
4	3.0	2.0	1.0	.90	.90	.90	1.5	18	4.0	1.9	4.6	8.5
5	3.0	2.0	1.0	.90	.90	.90	1.5	20	4.0	1.9	6.0	8.2
6	3.0	1.5	1.0	.90	.90	.90	1.5	22	4.0	1.9	5.4	8.2
7	3.0	1.5	1.0	.90	.90	.90	1.5	25	4.0	1.9	5.0	7.5
8	3.0	1.5	1.0	.90	.90	.90	1.5	30	4.0	1.9	4.7	7.2
9	3.0	1.5	1.0	.90	.90	.90	1.5	40	3.0	1.9	4.4	6.8
10	3.0	1.5	1.0	.90	.90	.90	1.5	70	3.0	1.9	4.2	6.6
11	2.5	1.5	1.0	.90	.90	.90	1.5	100	3.0	1.8	4.1	6.8
12	2.5	1.5	1.0	.90	.90	.90	1.5	60	3.0	1.8	4.0	7.0
13	2.5	1.5	1.0	.90	.90	.90	1.5	40	3.0	3.6	3.8	7.8
14	2.5	1.5	1.0	.90	.90	.90	1.5	20	3.0	8.0	3.8	7.2
15	2.5	1.5	1.0	.90	.90	.90	2.0	17	3.0	5.6	3.5	6.8
16	2.5	1.5	1.0	.90	.90	1.0	2.0	13	3.0	6.6	3.5	6.4
17	2.5	1.5	1.0	.90	.90	1.0	2.0	10	2.0	5.0	3.5	6.0
18	2.0	1.5	1.0	.90	.90	1.0	2.0	9.0	2.0	4.7	3.5	6.0
19	2.0	1.5	1.0	.90	.90	1.0	2.0	8.0	2.0	4.4	3.5	5.0
20	2.0	1.5	1.0	.90	.90	1.0	2.0	7.0	2.0	4.2	3.5	5.0
21	2.0	1.5	1.0	.90	.90	1.0	2.0	7.0	2.0	5.4	4.7	5.0
22	2.0	1.5	1.0	.90	.90	1.0	2.0	7.0	2.0	6.2	8.5	4.0
23	2.0	1.5	1.0	.90	.90	1.0	3.0	6.0	2.0	5.4	10	4.0
24	2.0	1.5	1.0	.90	.90	1.0	3.0	6.0	2.0	4.6	7.8	4.0
25	2.0	1.5	1.0	.90	.90	1.0	3.0	6.0	2.0	4.2	6.9	4.0
26	2.0	1.5	1.0	.90	.90	1.0	4.0	6.0	2.0	4.8	9.0	4.0
27	2.0	1.5	1.0	.90	.90	1.0	4.0	5.0	2.0	6.8	10	3.0
28	2.0	1.5	1.0	.90	.90	1.0	5.0	5.0	2.0	8.2	8.8	3.0
29	2.0	1.5	1.0	.90	---	1.0	6.0	5.0	2.0	6.0	7.5	3.0
30	2.0	1.5	1.0	.90	---	1.0	7.0	5.0	2.0	4.8	6.6	3.0
31	2.0	---	1.0	.90	---	1.0	---	5.0	---	4.4	6.8	---
TOTAL	75.7	47.5	31.0	27.90	25.20	29.50	70.8	612.0	85.0	125.6	170.1	177.6
MEAN	2.44	1.58	1.00	.90	.90	.95	2.36	19.7	2.83	4.05	5.49	5.92
MAX	3.2	2.0	1.0	.90	.90	1.0	7.0	100	5.0	8.2	10	8.5
MIN	2.0	1.5	1.0	.90	.90	.90	1.0	5.0	2.0	1.8	3.5	3.0
CFSM	.27	.17	.11	.10	.10	.10	.26	2.14	.31	.44	.60	.64
IN.	.31	.19	.13	.11	.10	.12	.29	2.48	.34	.51	.69	.72
AC-FT	150	94	61	55	50	59	140	1210	169	249	337	352

CAL YR 1974 TOTAL 999.50 MEAN 2.74 MAX 36 MIN 1.0 CFSM .30 IN 4.05 AC-FT 1980
WTR YR 1975 TOTAL 1477.90 MEAN 4.05 MAX 100 MIN .90 CFSM .44 IN 5.98 AC-FT 2930

NOTE.--No gage-height record Oct. 1 to July 1 except occasional days.

15564800 Yukon River at Ruby

LOCATION.--Lat 64°44'28", long 155°29'22", on left bank at Ruby, 300 ft (91 m) downstream from Ruby Creek, 1.5 mi (2.4 km) downstream from Melozitna River, and 2.5 mi (4.0 km) upstream from Ruby Slough.

DRAINAGE AREA.--259,000 mi^2 (671,000 km^2), approximately.

PERIOD OF RECORD.--October 1956 to current year.

GAGE.--Nonrecording gage read twice daily. Altitude of gage is 150 ft (46 m) from topographic map.

AVERAGE DISCHARGE.--19 years, 169,400 ft^3/s (4,797 m^3/s), 8.88 in/yr (226 mm/yr), 122,700,000 acre-ft/yr (151 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 604,000 ft^3/s (17,100 m^3/s) June 8, gage height, 27.09 ft (8.257 m); minimum daily, 25,000 ft^3/s (710 m^3/s) Mar. 1 to May 2.
Period of record: Maximum discharge observed, 970,000 ft^3/s (27,500 m^3/s) June 20, 1964, gage height, 35.4 ft (10.79 m); maximum gage height, 38.5 ft (11.73 m) May 20, 1971, from floodmarks (ice jam); minimum discharge not determined.

REMARKS.--Records fair except those for Oct. 5 to May 22, which are estimated. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180000	90000	50000	40000	30000	25000	25000	25000	465000	391000	382000	282000
2	179000	90000	50000	40000	30000	25000	25000	25000	477000	386000	378000	275000
3	176000	90000	50000	40000	30000	25000	25000	26000	527000	384000	366000	271000
4	175000	90000	50000	40000	30000	25000	25000	26000	558000	380000	359000	272000
5	170000	90000	50000	40000	30000	25000	25000	27000	578000	373000	350000	273000
6	170000	80000	50000	40000	30000	25000	25000	28000	591000	366000	344000	273000
7	160000	80000	50000	40000	30000	25000	25000	29000	599000	359000	341000	274000
8	160000	80000	50000	40000	30000	25000	25000	30000	603000	357000	341000	274000
9	150000	80000	50000	40000	30000	25000	25000	32000	599000	357000	339000	273000
10	150000	80000	50000	40000	30000	25000	25000	34000	591000	355000	338000	272000
11	140000	70000	50000	40000	30000	25000	25000	37000	575000	354000	335000	268000
12	140000	70000	50000	40000	30000	25000	25000	40000	560000	354000	330000	267000
13	140000	70000	50000	40000	30000	25000	25000	45000	553000	360000	321000	267000
14	140000	70000	50000	40000	30000	25000	25000	50000	548000	362000	315000	270000
15	140000	70000	50000	40000	30000	25000	25000	60000	543000	360000	310000	274000
16	120000	60000	45000	35000	30000	25000	25000	80000	533000	359000	307000	278000
17	120000	60000	45000	35000	30000	25000	25000	100000	514000	358000	303000	279000
18	120000	60000	45000	35000	30000	25000	25000	150000	495000	358000	301000	277000
19	120000	60000	45000	35000	30000	25000	25000	200000	470000	359000	302000	281000
20	120000	60000	45000	35000	30000	25000	25000	300000	451000	364000	303000	283000
21	120000	60000	45000	35000	30000	25000	25000	400000	442000	370000	307000	284000
22	120000	60000	45000	35000	30000	25000	25000	500000	431000	375000	310000	285000
23	120000	60000	45000	35000	30000	25000	25000	553000	424000	380000	314000	288000
24	120000	60000	45000	35000	30000	25000	25000	553000	422000	381000	316000	290000
25	120000	60000	45000	35000	30000	25000	25000	517000	425000	381000	310000	290000
26	100000	60000	45000	35000	30000	25000	25000	492000	423000	377000	300000	288000
27	100000	60000	45000	35000	30000	25000	25000	472000	417000	371000	294000	279000
28	100000	60000	45000	35000	30000	25000	25000	455000	411000	371000	295000	272000
29	100000	60000	45000	35000	---	25000	25000	439000	405000	370000	291000	263000
30	100000	60000	45000	35000	---	25000	25000	430000	396000	375000	286000	258000
31	100000	---	45000	35000	---	25000	---	440000	---	384000	286000	---
TOTAL	4170000	2100000	1470000	1160000	840000	775000	750000	6595000	15026000	11431000	9974000	8280000
MEAN	134500	70000	47420	37420	30000	25000	25000	212700	500900	368700	321700	276000
MAX	180000	90000	50000	40000	30000	25000	25000	553000	603000	391000	382000	290000
MIN	100000	60000	45000	35000	30000	25000	25000	25000	396000	354000	286000	258000
CFSM	.52	.27	.18	.14	.12	.10	.10	.82	1.93	1.42	1.24	1.07
IN.	.60	.30	.21	.17	.12	.11	.11	.95	2.16	1.64	1.43	1.19
AC-FT	8271000	4165000	2916000	2301000	1666000	1537000	1488000	13080000	29800000	22670000	19780000	16420000

CAL YR 1974 TOTAL 52958000 MEAN 145100 MAX 500000 MIN 24000 CFSM .56 IN 7.61 AC-FT 105000000
WTR YR 1975 TOTAL 62571000 MEAN 171400 MAX 603000 MIN 25000 CFSM .66 IN 8.99 AC-FT 124100000

NOTE.--No gage-height record Oct. 5 to May 22.

15564875 Middle Fork Koyukuk River near Wiseman

LOCATION.--Lat 67°25'54", long 150°04'55", in NE¼ sec.18, T.30 N., R.11 W., on left bank 1.0 mi (1.6 km) upstream from Minnie Creek, 1.6 mi (2.6 km) north of Wiseman, and 2.6 mi (4.2 km) downstream from Hammond River.

DRAINAGE AREA.--1,426 mi^2 (3,693 km^2).

PERIOD OF RECORD.--August 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,100 ft (335 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 642 ft^3/s (18.2 m^3/s), 6.11 in/yr (155 mm/yr), 465,100 acre-ft/yr (574 hm^3/yr).

EXTREMES.--Current year: Maximum discharge recorded, 10,400 ft^3/s (294 m^3/s) May 30, gage height, 12.08 ft (3.682 m); no flow Nov. 16 to Apr. 24.

Period of record: Maximum discharge, 17,100 ft^3/s (484 m^3/s) Aug. 21, 1973, gage height, 13.50 ft (4.115 m), from floodmarks, from rating curve extended above 7,000 ft^3/s (200 m^3/s) on the basis of slope-area measurements at gage heights 13.25 ft (4.039 m) and 15.2 ft (4.63 m); no flow Nov. 16, 1974 to Apr. 24, 1975.

Flood of June 1968 reached a stage of 13.25 ft (4.039 m), from floodmarks, discharge, 16,300 ft^3/s (462 m^3/s). The maximum evident flood reached a stage of 15.2 ft (4.63 m), from floodmarks, discharge, about 33,000 ft^3/s (930 m^3/s).

REMARKS.--Records estimated prior to May 22 and poor thereafter. Discharge figures during the winter months may be misleading as there are pools in the channel connected by ground-water flow through the streambed gravel. Flow may decrease downstream in the winter due to formation of icings. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	4.0					0	1.0	4710	2060	1130	1730
2	200	3.0					0	2.0	45[illegible]	1740	1180	1660
3	160	3.0					0	3.0	4500	1460	1400	1520
4	140	2.0					0	5.0	3800	1200	1550	1430
5	120	2.0					0	20	3700	1070	1660	1490
6	100	2.0					0	50	3850	950	1620	1620
7	90	2.0					0	100	4860	875	1490	1620
8	80	2.0					0	300	5250	838	1280	1560
9	70	2.0					0	800	3900	760	1130	1460
10	60	2.0					0	1800	4000	680	1010	1320
11	55	1.0					0	3700	4050	600	875	1220
12	50	1.0					0	6300	4420	560	800	1180
13	45	1.0					0	6300	4740	640	760	1100
14	40	1.0					0	3000	3460	762	700	995
15	35	1.0					0	2000	2500	925	660	950
16	30	0					0	1900	1760	1250	640	912
17	27	0					0	1860	1640	1910	600	950
18	23	0					0	1100	1820	1580	580	1200
19	20	0					0	900	3620	1680	560	1000
20	18	0					0	800	2560	1360	540	2400
21	16	0					0	700	1970	1010	520	1800
22	14	0					0	700	1660	850	520	1600
23	12	0					0	925	2150	760	500	1400
24	10	0					0	1320	3500	700	560	1200
25	9.0	0					1.0	1370	2240	660	700	1000
26	8.0	0					1.0	2100	1660	2180	1220	900
27	7.0	0					1.0	3200	1320	5250	3320	840
28	6.0	0					1.0	4560	1220	3580	2480	760
29	5.0	0			---		1.0	6740	1430	2320	2010	700
30	5.0	0			---		1.0	8100	1520	1700	1740	640
31	4.0	---			---		---	6280	---	1340	1700	---
TOTAL	1709.0	29.0	0	0	0	0	6.0	66936.0	92370	43250	35355	38957
MEAN	55.1	.97	0	0	0	0	.20	2159	3079	1395	1140	1299
MAX	250	4.0	0	0	0	0	1.0	8100	5250	5250	3320	2400
MIN	4.0	0	0	0	0	0	0	1.0	1220	560	500	640
CFSM	.04	.0007	0	0	0	0	.0001	1.51	2.16	.98	.80	.91
IN.	.04	.0008	0	0	0	0	.0002	1.75	2.41	1.13	.92	1.02
AC-FT	3390	58	0	0	0	0	12	132800	183200	85790	70130	77270

CAL YR 1974 TOTAL 183324.0 MEAN 502 MAX 5000 MIN 0 CFSM .35 IN 4.78 AC-FT 363600
WTR YR 1975 TOTAL 278612.0 MEAN 763 MAX 8100 MIN 0 CFSM .54 IN 7.27 AC-FT 552600

NOTE.--No gage-height record Oct. 1 to May 22 except occasional days.

15564877 Wiseman Creek at Wiseman

LOCATION.--Lat 67°24'38", long 150°06'21", in SE¼ sec.24, T.30 N., R.12 W., on left abutment of footbridge at mouth, 0.2 mi (0.3 km) from north end of landing strip at Wiseman.

DRAINAGE AREA.--49.2 mi² (127.4 km²).

PERIOD OF RECORD.--August 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,100 ft (335 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 25.1 ft³/s (0.71 m³/s), 6.93 in/yr (176 mm/yr), 18,200 acre-ft/yr (22.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 560 ft³/s (15.9 m³/s) June 6, gage height, 4.90 ft (1.494 m); maximum gage height observed, 6.44 ft (1.963 m) May 9, backwater from ice; no flow Oct. 4 to May 6.
Period of record: Maximum discharge, 665 ft³/s (18.8 m³/s) Aug. 21, 1973, gage height, 5.05 ft (1.539 m), from rating curve extended above 350 ft³/s (9.9 m³/s); maximum gage height observed, 6.44 ft (1.963 m) May 9, 1975, backwater from ice; no flow each winter.

REMARKS.--Records estimated prior to May 19 and poor thereafter. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0							0	156	38	15	44
2	.50							0	150	22	15	42
3	.20							0	146	18	13	38
4	0							0	121	15	13	34
5	0							0	121	11	13	37
6	0							0	154	10	16	46
7	0							10	301	8.8	15	79
8	0							35	190	8.0	15	56
9	0							80	124	7.2	13	46
10	0							150	124	6.6	13	42
11	0							270	115	6.0	12	39
12	0							380	106	5.8	11	38
13	0							320	106	6.0	10	37
14	0							220	112	6.3	9.6	34
15	0							170	76	5.8	9.2	31
16	0							120	50	9.6	8.8	30
17	0							90	45	20	8.0	32
18	0							54	76	22	8.0	50
19	0							32	109	20	8.4	90
20	0							18	64	16	9.2	80
21	0							11	48	12	11	60
22	0							18	43	10	11	40
23	0							25	52	8.0	16	35
24	0							38	48	7.4	16	30
25	0							45	34	9.2	15	25
26	0							79	26	20	82	20
27	0							130	21	42	91	15
28	0							230	22	36	56	10
29	0				---			226	22	27	50	8.0
30	0				---			301	28	22	45	6.0
31	0	---			---		---	215.	---	17	44	---
TOTAL	1.70	0	0	0	0	0	0	3283	2800	466.7	673.0	1174.0
MEAN	.055	0	0	0	0	0	0	106	93.3	15.1	21.7	39.1
MAX	1.0	0	0	0	0	0	0	380	301	42	91	90
MIN	0	0	0	0	0	0	0	0	21	5.8	8.0	6.0
CFSM	.001	0	0	0	0	0	0	2.15	1.90	.31	.44	.79
IN.	.001	0	0	0	0	0	0	2.48	2.12	.35	.51	.89
AC-FT	3.4	0	0	0	0	0	0	6510	5550	926	1330	2330

CAL YR 1974 TOTAL 5360.40 MEAN 14.7 MAX 195 MIN 0 CFSM .30 IN 4.05 AC-FT 10630
WTR YR 1975 TOTAL 8398.40 MEAN 23.0 MAX 380 MIN 0 CFSM .47 IN 6.35 AC-FT 16660

NOTE.--No gage-height record Oct. 1 to May 12.

15564885 Jim River near Bettles

LOCATION.--Lat 66°47'10", long 150°52'23", in SW¼ sec.30, T.23 N., R.15 W., on right bank, 4.2 mi (6.8 km) west of Prospect Camp, 4.8 mi (7.7 km) downstream from Prospect Creek, 12.3 mi (19.8 km) upstream from mouth, and 20 mi (32 km) southeast of Bettles.

DRAINAGE AREA.--465 mi² (1,204 km²).

PERIOD OF RECORD.--August 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 820 ft (250 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 445 ft³/s (12.6 m³/s), 13.00 in/yr (330 mm/yr), 322,400 acre-ft/yr (398 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 9,810 ft³/s (278 m³/s) Sept. 19, gage height, 17.27 ft (5.264 m), from rating curve extended above 5,000 ft³/s (140 m³/s); minimum daily, 20 ft³/s (0.6 m³/s) Dec. 21 to Apr. 20.
Period of record: Maximum discharge, 9,810 ft³/s (278 m³/s) Sept. 19, 1975, gage height, 17.27 ft (5.264 m), from rating curve extended above 5,000 ft³/s (140 m³/s); minimum daily, 5.4 ft³/s (0.15 m³/s) Feb. 2 to Apr. 15, 1972.
Maximum evident flood discharge about 13,000 ft³/s (370 m³/s) from slope-area estimate.

REMARKS.--Records estimated prior to May 15, fair thereafter. Records of chemical analyses and water temperatures for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	40	25	20	20	20	20	30	1860	532	153	464
2	330	40	25	20	20	20	20	30	1980	572	148	417
3	300	40	25	20	20	20	20	30	1600	496	147	390
4	270	40	25	20	20	20	20	30	1330	417	154	393
5	240	40	25	20	20	20	20	40	1410	366	162	877
6	220	40	25	20	20	20	20	60	1350	333	173	1440
7	200	40	25	20	20	20	20	100	1840	303	167	1540
8	190	40	25	20	20	20	20	150	1500	280	160	1140
9	170	40	25	20	20	20	20	300	1220	268	158	906
10	160	40	25	20	20	20	20	700	1040	250	152	755
11	150	40	25	20	20	20	20	1000	1180	230	146	696
12	140	40	25	20	20	20	20	4500	1750	221	142	966
13	130	40	25	20	20	20	20	4200	1680	209	141	1140
14	120	40	25	20	20	20	20	2700	1190	272	141	924
15	110	40	25	20	20	20	20	1400	936	280	140	765
16	100	30	25	20	20	20	20	1210	676	278	140	750
17	90	30	25	20	20	20	20	1120	604	270	140	1810
18	90	30	25	20	20	20	20	852	688	262	140	2980
19	80	30	25	20	20	20	20	612	1120	240	144	8160
20	80	30	25	20	20	20	20	636	728	219	165	5210
21	70	30	20	20	20	20	22	680	604	211	195	2480
22	70	30	20	20	20	20	22	620	520	215	213	1660
23	70	30	20	20	20	20	22	504	696	201	223	1290
24	60	30	20	20	20	20	22	524	1240	191	235	1030
25	60	30	20	20	20	20	22	612	755	181	240	835
26	60	30	20	20	20	20	25	864	580	179	738	600
27	60	30	20	20	20	20	25	1490	468	175	1860	450
28	50	30	20	20	20	20	25	1860	420	171	936	300
29	50	30	20	20	---	20	25	2710	411	173	684	200
30	50	30	20	20	---	20	25	3080	420	164	560	100
31	50	---	20	20	---	20	---	2800	---	158	496	---
TOTAL	4190	1050	720	620	560	620	635	36244	31796	8317	9401	40668
MEAN	135	35.0	23.2	20.0	20.0	20.0	21.2	1169	1060	268	303	1356
MAX	370	40	25	20	20	20	25	4500	1980	572	1860	8160
MIN	50	30	20	20	20	20	20	30	411	158	140	100
CFSM	.29	.08	.05	.04	.04	.04	.05	2.51	2.28	.58	.65	2.92
IN.	.34	.08	.06	.05	.04	.05	.05	2.90	2.54	.67	.75	3.25
AC-FT	8310	2080	1430	1230	1110	1230	1260	71890	63070	16500	18650	80660

CAL YR 1974 TOTAL 113679 MEAN 311 MAX 4140 MIN 20 CFSM .67 IN 9.09 AC-FT 225500
WTR YR 1975 TOTAL 134821 MEAN 369 MAX 8160 MIN 20 CFSM .79 IN 10.79 AC-FT 267400

NOTE.--No gage-height record Oct. 1 to May 15.

15564900 Koyukuk River at Hughes

LOCATION (revised).--Lat 66°02'51", long 154°15'30", in SE¼SE¼ sec. 33, T.8 N., R.22 E., on left bank at north end of runway at Hughes and 0.6 mi (1.0 km) upstream from Hughes Creek.

DRAINAGE AREA.--18,700 mi^2 (48,400 km^2), approximately.

PERIOD OF RECORD.--June 1960 to current year.

GAGE.--Nonrecording gage read twice daily. Altitude of gage is 250 ft (76 m) from topographic map. June 5 to Sept. 30, 1960, on right bank at same datum.

AVERAGE DISCHARGE.--15 years, 14,500 ft^3/s (411 m^3/s), 10.53 in/yr (267 mm/yr), 10,510,000 acre-ft/yr (13.0 km^3/yr).

EXTREMES.--Current year: Maximum discharge, 108,000 ft^3/s (3,060 m^3/s) June 1, gage height, 22.52 ft (6.864 m), from floodmarks; minimum daily, 400 ft^3/s (11 m^3/s) Jan. 15 to May 2.

Period of record: Maximum discharge, 266,000 ft^3/s (7,530 m^3/s) June 6, 1964, gage height, 31.09 ft (9.476 m); maximum gage height, 34.33 ft (10.464 m) May 26, 1965, from floodmarks, backwater from ice; minimum discharge not determined.

Flood of August 1937 reached a stage of about 34 ft (10.4 m), from information by local residents.

REMARKS.--Records poor except those for Oct. 3 to May. 12, which are estimated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16500	3500	900	550	400	400	400	400	103000	19600	11200	17000
2	14000	3500	900	550	400	400	400	400	87000	22600	10000	16500
3	13000	3500	800	550	400	400	400	450	70100	29800	9100	17500
4	11000	3500	800	550	400	400	400	450	65600	29200	8600	17000
5	10000	3000	700	500	400	400	400	500	62900	24400	8600	15600
6	9000	3000	700	500	400	400	400	700	56400	20200	8600	15200
7	8000	3000	700	500	400	400	400	1000	54000	18500	8850	17000
8	7500	3000	700	500	400	400	400	2000	58000	16500	9100	22000
9	7000	3000	700	500	400	400	400	10000	69200	12800	9400	20800
10	6500	2500	700	450	400	400	400	40000	58000	11600	9400	20800
11	6000	2500	700	450	400	400	400	55000	47600	11200	9100	18000
12	5800	2500	700	450	400	400	400	60000	42800	10600	8850	16500
13	5600	2500	700	450	400	400	400	73700	42000	11200	8600	16000
14	5400	2500	700	450	400	400	400	92400	44400	12000	8100	16500
15	5000	2000	600	400	400	400	400	85000	46000	11200	7700	17500
16	5000	2000	600	400	400	400	400	67400	40400	10300	7500	16500
17	5000	2000	600	400	400	400	400	46000	39600	10600	7500	15200
18	5000	2000	600	400	400	400	400	31700	32400	10600	7300	15600
19	5000	2000	600	400	400	400	400	27400	28600	10600	7100	22600
20	4500	1500	600	400	400	400	400	26800	29200	12400	6900	36600
21	4500	1500	600	400	400	400	400	26800	33800	15200	7100	53200
22	4500	1500	600	400	400	400	400	22000	31700	14800	7500	46000
23	4500	1500	600	400	400	400	400	19600	33800	12800	8850	33100
24	4500	1500	600	400	400	400	400	29200	27400	11200	12800	23200
25	4000	1000	600	400	400	400	400	33100	37300	10600	16500	18000
26	4000	1000	600	400	400	400	400	39600	40400	18000	17000	17500
27	4000	1000	600	400	400	400	400	30800	33800	11200	16000	17000
28	4000	1000	600	400	400	400	400	40400	28000	9100	18500	16000
29	4000	1000	600	400	---	400	400	46800	23800	10300	26800	15000
30	4000	900	600	400	---	400	400	62000	20800	14000	24400	14000
31	3500	---	550	400	---	400	---	81000	---	13200	19000	---
TOTAL	201100	64900	20550	13750	11200	12400	12000	1060600	1388000	456300	345950	623400
MEAN	6487	2163	663	444	400	400	400	34210	46270	14720	11160	20780
MAX	16500	3500	900	550	400	400	400	92400	103000	29800	26800	53200
MIN	3500	900	550	400	400	400	400	400	20800	9100	6900	14000
CFSM	.35	.12	.04	.02	.02	.02	.02	1.83	2.47	.79	.60	1.11
IN.	.40	.13	.04	.03	.02	.02	.02	2.11	2.76	.91	.69	1.24
AC-FT	398900	128700	40760	27270	22220	24600	23800	2104000	2753000	905100	686200	1237000

CAL YR 1974 TOTAL 3444130 MEAN 9436 MAX 75000 MIN 350 CFSM .50 IN 6.85 AC-FT 6831000
WTR YR 1975 TOTAL 4210150 MEAN 11530 MAX 103000 MIN 400 CFSM .62 IN 8.38 AC-FT 8351000

NOTE.--No gage-height record Oct. 3 to May 7.

15o21000 Snake River near Nome

LOCATION.--Lat 64°33'51", long 165°30'26", in SE¼ sec.5, T.11 S., R.34 W., on downstream side of bridge on Nome-Teller Highway, 5.4 mi (8.7 km) northwest of Nome.

DRAINAGE AREA.--85.7 mi² (222 km²), approximately.

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8.58 ft (2.615 m) above mean sea level (USC&GS data furnished by Alaska Highway Department, Nome).

AVERAGE DISCHARGE.--10 years, 190 ft³/s (5.381 m³/s), 30.11 in/yr (765 mm/yr). 137,700 acre-ft/yr (170 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,120 ft³/s (117 m³/s) July 10, gage height, 11.82 ft (3.603 m); maximum gage height, 13.59 ft (4.142 m) May 15, backwater from ice; minimum daily discharge, 20 ft³/s (0.57 m³/s) Feb. 10-27 and Mar. 17-26.

Period of record: Maximum discharge, 4,200 ft³/s (119 m³/s) June 2, 1966, gage height, 11.90 ft (3.627 m); maximum gage height, 13.59 ft (4.142 m) May 15, 1975, backwater from ice; minimum daily discharge, about 1.0 ft³/s (0.028 m³/s) Feb. 25 to May 15, 1971, but may be no flow at times during some winters.

REMARKS.--Records good except those for Oct. 10 to May 16, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	90	36	26	22	22	22	80	1380	385	76	236
2	222	90	36	26	22	22	22	110	1260	282	75	222
3	220	80	36	26	22	22	22	140	1160	254	74	210
4	216	80	36	26	22	22	22	170	1010	230	74	266
5	214	80	36	26	22	22	24	200	824	222	73	304
6	214	70	37	26	22	22	24	230	732	198	72	268
7	212	70	36	26	22	22	24	260	784	204	70	254
8	210	70	36	26	22	22	24	290	756	206	69	246
9	202	60	36	26	22	22	24	320	764	716	68	236
10	190	60	34	26	20	22	24	350	694	2870	68	230
11	180	60	34	26	20	22	26	380	542	800	67	220
12	170	60	34	26	20	22	26	420	480	455	67	212
13	170	50	34	24	20	22	26	459	368	342	67	208
14	170	50	34	24	20	22	26	560	362	282	65	234
15	160	50	32	24	20	22	26	660	325	252	65	294
16	160	50	32	24	20	22	28	760	240	230	63	296
17	170	50	32	24	20	20	28	875	220	212	63	266
18	180	46	32	24	20	20	28	960	264	192	63	260
19	180	46	32	24	20	20	28	1000	260	174	65	248
20	170	46	30	24	20	20	28	1100	272	160	69	236
21	170	46	30	24	20	20	30	1200	256	146	67	226
22	160	42	30	24	20	20	30	1300	611	136	64	226
23	160	42	30	24	20	20	30	1500	340	122	63	226
24	150	42	30	24	20	20	32	1600	264	114	63	212
25	150	42	28	24	20	20	32	1600	230	104	212	204
26	140	38	28	24	20	20	32	1600	206	99	355	196
27	140	38	28	22	20	22	34	1690	184	94	208	188
28	130	38	28	22	22	22	38	1860	180	92	172	184
29	120	38	28	22	----	22	44	1780	304	87	170	176
30	110	38	28	22	----	22	50	1710	365	82	252	170
31	100	----	26	22	----	22	----	1540	----	79	250	----
TOTAL	5364	1662	999	758	580	662	854	26704	15517	9821	3249	6952
MEAN	173	55.4	32.2	24.5	20.7	21.4	28.5	861	517	317	105	232
MAX	224	90	37	26	22	22	50	1860	1380	2870	355	304
MIN	100	38	26	22	20	20	22	80	180	79	63	170
CFSM	2.02	.65	.38	.29	.24	.25	.33	10.0	6.03	3.70	1.23	2.71
IN.	2.33	.72	.43	.33	.25	.29	.37	11.59	6.74	4.26	1.41	3.02
AC-FT	10640	3300	1980	1500	1150	1310	1690	52970	30780	19480	6440	13790

CAL YR 1974 TOTAL 76082 MEAN 208 MAX 2570 MIN 24 CFSM 2.43 IN 33.02 AC-FT 150900
WTR YR 1975 TOTAL 73122 MEAN 200 MAX 2870 MIN 20 CFSM 2.33 IN 31.74 AC-FT 145000

NOTE.--No gage-height record Oct. 29 to May 18.

15744000 Kobuk River at Ambler

LOCATION.--Lat 67°05'13", long 157°50'51", in SE¼ sec.31, T.20 N., R.5 E., on right bank at village of Ambler, and 2.0 mi (3.2 km) downstream from Ambler River.

DRAINAGE AREA.--6,570 mi² (17,020 km²), approximately.

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Nonrecording gage read twice daily. Altitude of gage is 30 ft (9 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 9,408 ft³/s (266.4 m³/s), 19.45 in/yr (494 mm/yr), 6,816,000 acre-ft/yr (8.40 km³/yr).

EXTREMES.--Current year: Maximum discharge, 66,700 ft³/s (1,890 m³/s) July 12, gage height, 35.54 ft (10.833 m), from floodmarks; maximum gage height, 37.57 ft (11.451 m) in May, from floodmarks, backwater from ice; minimum daily discharge, 1,000 ft³/s (30 m³/s) Dec. 16 to Apr. 20.

Period of record: Maximum daily discharge, 95,000 ft³/s (2,690 m³/s) May 29, 1971; maximum gage height, 46.73 ft (14.243 m) about May 25, 1973, from floodmarks, backwater from ice; minimum discharge not determined.

REMARKS.--Records estimated prior to June 1, fair thereafter. Records of chemical analyses and suspended-sediment loads for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	3000	1300	1000	1000	1000	1000	2000	49200	21100	8400	21100
2	13000	2500	1300	1000	1000	1000	1000	2300	49200	29200	8100	21100
3	12000	2500	1300	1000	1000	1000	1000	2800	42900	28600	8100	20100
4	11000	2500	1300	1000	1000	1000	1000	3200	39400	24400	7800	18100
5	11000	2500	1300	1000	1000	1000	1000	3800	37300	19100	7800	16100
6	10000	2500	1200	1000	1000	1000	1000	4500	35200	16100	7800	15600
7	9000	2400	1200	1000	1000	1000	1000	5700	33100	14000	7800	14800
8	9000	2400	1200	1000	1000	1000	1000	7000	29800	12800	7500	14800
9	8000	2300	1200	1000	1000	1000	1000	9000	27400	11600	7200	15600
10	8000	2200	1200	1000	1000	1000	1000	19000	25600	15600	7200	16100
11	7000	2100	1100	1000	1000	1000	1000	23000	23800	47100	6600	15200
12	7000	2000	1100	1000	1000	1000	1000	26000	22600	64800	6600	14800
13	7000	2000	1100	1000	1000	1000	1000	29000	20600	54400	6300	14000
14	6000	2000	1100	1000	1000	1000	1000	30000	18100	41500	6000	14000
15	6000	1900	1100	1000	1000	1000	1000	28000	14800	31700	6000	12800
16	6000	1900	1000	1000	1000	1000	1000	23000	13600	26200	5700	12800
17	5000	1800	1000	1000	1000	1000	1000	15000	12800	22600	6000	14800
18	5000	1800	1000	1000	1000	1000	1000	12000	12400	21600	6000	17600
19	5000	1700	1000	1000	1000	1000	1000	10000	12000	20100	6300	23800
20	5000	1700	1000	1000	1000	1000	1000	8000	12000	19100	6600	35900
21	4000	1600	1000	1000	1000	1000	1100	7000	11600	17600	6600	42900
22	4000	1600	1000	1000	1000	1000	1100	6800	11200	16100	6900	42900
23	4000	1500	1000	1000	1000	1000	1200	7000	14000	14400	7200	33000
24	4000	1500	1000	1000	1000	1000	1200	8500	17100	13200	7200	28000
25	4000	1500	1000	1000	1000	1000	1200	11000	21600	12000	7500	23800
26	3500	1400	1000	1000	1000	1000	1300	15000	19100	11200	13600	21100
27	3500	1400	1000	1000	1000	1000	1400	25000	15600	10400	21600	18000
28	3500	1400	1000	1000	1000	1000	1500	35000	13600	10000	23000	14000
29	3000	1400	1000	1000	---	1000	1600	45000	12800	9600	25600	12000
30	3000	1400	1000	1000	---	1000	1800	47000	17600	9300	22600	10000
31	3000	---	1000	1000	---	1000	---	49000	---	8700	21100	---
TOTAL	203500	58400	34000	31000	28000	31000	33400	519600	686000	674100	303500	594800
MEAN	6565	1947	1097	1000	1000	1000	1113	16760	22870	21750	9790	19830
MAX	14000	3000	1300	1000	1000	1000	1800	49000	49200	64800	25600	42900
MIN	3000	1400	1000	1000	1000	1000	1000	2000	11200	8700	5700	10000
CFSM	1.00	.30	.17	.15	.15	.15	.17	2.55	3.48	3.31	1.49	3.02
IN.	1.15	.33	.19	.18	.16	.18	.19	2.94	3.88	3.82	1.72	3.37
AC-FT	403600	115800	67440	61490	55540	61490	66250	1031000	1361000	1337000	602000	1180000

CAL YR 1974 TOTAL 2751200 MEAN 7538 MAX 63200 MIN 1000 CFSM 1.15 IN 15.58 AC-FT 5457000
WTR YR 1975 TOTAL 3197300 MEAN 8760 MAX 64800 MIN 1000 CFSM 1.33 IN 18.10 AC-FT 6342000

NOTE.--No gage-height record Oct. 1 to May 31.

15798700 Nunavak Creek near Barrow

LOCATION.--Lat 71°15'35", long 156°46'57", in SE¼ sec.18, T.22 N., R.18 W., North Slope Borough, 0.7 mi (1.1 km) downstream from Emaiksoun Lake, 1.2 mi (1.9 km) upstream from Nunavak Bay, and 2.3 mi (3.7 km) south of Barrow Post Office.

DRAINAGE AREA.--2.79 mi^2 (7.23 km^2), approximately.

PERIOD OF RECORD.--June 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 19 ft (5.8 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 22 ft^3/s (0.62 m^3/s) June 18, gage height, 2.19 ft (0.668 m), flow over snow; maximum gage height, 3.87 ft (1.180 m) June 16, backwater from snow and ice; no flow Oct. 1 to June 12, Aug. 15-25, and Sept. 1-30.

Period of record: Maximum discharge, 66 cfs (1.87 m^3/s) June 23, 1974, gage height, 2.92 ft (0.890 m), flow over snow; maximum gage height, 4.27 ft (1.301 m) June 19, 1974, backwater from snow and ice; no flow during all winter months, and at times during summer months.

REMARKS.--Records poor. Records of chemical analyses for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	3.4	.25	
2									0	2.7	.22	
3									0	2.3	.18	
4									0	2.2	.18	
5									0	1.8	.28	
6									0	1.6	.25	
7									0	1.3	.20	
8									0	.76	.18	
9									0	.80	.12	
10									0	2.2	.08	
11									0	2.2	.05	
12									0	1.8	0	
13									1.0	1.8	0	
14									.10	1.7	0	
15									1.5	1.8	0	
16									6.0	1.5	0	
17									10	1.1	0	
18									14	.80	0	
19									17	.64	0	
20									18	.56	0	
21									18	.48	0	
22									20	.40	0	
23									18	.35	0	
24									11	.35	0	
25									8.1	.35	0	
26									6.8	.40	.22	
27									6.0	.38	.30	
28									4.0	.35	.32	
29					----				3.3	.30	.32	
30					----				3.8	.30	.20	
31		---			---		---		---	.30	.08	---
TOTAL	0	0	0	0	0	0	0	0	166.60	36.92	3.43	0
MEAN	0	0	0	0	0	0	0	0	5.55	1.19	.11	0
MAX	0	0	0	0	0	0	0	0	20	3.4	.32	0
MIN	0	0	0	0	0	0	0	0	0	.30	0	0
CFSM	0	0	0	0	0	0	0	0	1.99	.43	.04	0
IN.	0	0	0	0	0	0	0	0	2.22	.49	.05	0
AC-FT	0	0	0	0	0	0	0	0	330	73	6.8	0

CAL YR 1974	TOTAL 441.53	MEAN 1.21	MAX 61	MIN 0	CFSM .43	IN 5.89	AC-FT 876
WTR YR 1975	TOTAL 206.95	MEAN .57	MAX 20	MIN 0	CFSM .20	IN 2.76	AC-FT 410

NOTE.--No gage-height record Oct. 1 to June 16.

15896000 Kuparuk River near Deadhorse

LOCATION.--Lat 70°16'54", long 148°57'35", in NE¼ sec.25, T.11 N., R.12 E., North Slope Borough, near right bank, 1.8 mi (2.9 km) northeast of SE Eileen State No. 1, 2.1 mi (3.4 km) south of Rivers Camp Service City, 10 mi (16 km) upstream from mouth on Gwyder Bay, and 13 mi (21 km) northwest of Deadhorse.

DRAINAGE AREA.--3,130 mi² (8,107 km²).

PERIOD OF RECORD.--June 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by private engineering firm).

EXTREMES.--Current year: Maximum discharge, 22,600 ft³/s (640 m³/s) June 13, gage height, 32.53 ft (9.915 m); maximum gage height, 32.81 ft (10.000 m) June 10, backwater from ice; no flow Mar. 1 to June 3.

Period of record: Maximum discharge, 82,000 ft³/s (2,320 m³/s) June 6 or 7, 1973, gage height, 36.7 ft (11.19 m); no flow Mar. 1 to June 3, 1975.

REMARKS.--Records estimated prior to June 5, fair thereafter. Discharges of less than 20 ft³/s (0.6 m³/s) are discontinuous with channel pools being connected by ground-water flow through streambed gravel. Flow may decrease downstream in the winter due to formation of icings. Some water pumped from river during winter months to supply domestic and industrial needs in the Prudhoe Bay Oil Field area. Records of chemical analyses and suspended-sediment loads are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	5.0	1.0	.50	.10				0	3720	217	380
2	10	5.0	1.0	.50	.10				0	2000	213	860
3	10	5.0	1.0	.50	.10				500	2150	205	1400
4	10	5.0	1.0	.50	.10				1000	1660	202	1610
5	10	5.0	1.0	.50	.10				2300	1330	209	1460
6	10	5.0	1.0	.50	.10				4000	1100	209	1210
7	10	5.0	1.0	.50	.10				6700	916	213	1200
8	10	5.0	1.0	.50	.10				9500	784	217	1200
9	10	5.0	1.0	.50	.10				13000	712	229	1210
10	10	5.0	1.0	.50	.10				17000	652	225	860
11	10	5.0	1.0	.50	.10				17000	620	217	644
12	10	5.0	1.0	.50	.10				18000	580	217	572
13	10	5.0	1.0	.50	.10				20000	533	205	519
14	10	5.0	1.0	.50	.10				19000	498	191	484
15	10	5.0	1.0	.50	.10				15900	484	184	435
16	10	5.0	1.0	.50	.10				15100	442	180	407
17	10	5.0	1.0	.50	.10				13800	407	180	380
18	10	5.0	1.0	.50	.10				10700	370	170	350
19	10	5.0	1.0	.50	.10				7900	340	167	440
20	10	5.0	1.0	.50	.10				6540	315	167	400
21	10	5.0	1.0	.50	.10				5700	300	167	350
22	10	5.0	1.0	.50	.10				5140	276	167	320
23	10	5.0	1.0	.50	.10				4540	254	167	280
24	10	5.0	1.0	.50	.10				4270	241	164	260
25	10	5.0	1.0	.50	.10				6740	225	161	240
26	10	5.0	1.0	.50	.10				6180	225	205	230
27	10	5.0	1.0	.50	.10				5580	245	184	220
28	10	5.0	1.0	.50	.10				5660	245	167	210
29	10	5.0	1.0	.50	---				5460	241	177	200
30	10	5.0	1.0	.50	---				4660	237	213	200
31	10	---	1.0	.50	---		---		---	225	320	---
TOTAL	310	150.0	31.0	15.50	2.80	0	0	0	251870	23135	6109	18643
MEAN	10.0	5.00	1.00	.50	.10	0	0	0	8396	746	197	621
MAX	10	5.0	1.0	.50	.10	0	0	0	20000	3720	320	1610
MIN	10	5.0	1.0	.50	.10	0	0	0	0	225	161	200
CFSM	.003	.002	.0003	.0002	.00003	0	0	0	2.68	.24	.06	.20
IN.	.004	.002	.0004	.0002	.00003	0	0	0	2.99	.27	.07	.22
AC-FT	615	298	61	31	5.6	0	0	0	499600	45890	12120	36980

CAL YR 1974 TOTAL 237985.00 MEAN 652 MAX 22000 MIN 1.0 CFSM .21 IN 2.87 AC-FT 472000
WTR YR 1975 TOTAL 300264.30 MEAN 823 MAX 20000 MIN 0 CFSM .26 IN 3.57 AC-FT 595600

NOTE.--No gage-height record Oct. 1 to June 4.

15896700 Putuligayuk River near Deadhorse

LOCATION.--Lat 70°16'04", long 148°37'36", in NE¼ sec.32, T.11 N., R.14 E., North Slope Borough, at midchannel 200 ft (61 m) upstream from culvert causeway, 0.2 mi (0.3 km) downstream from unnamed tributary, 6.2 mi (10.0 km) northwest of Deadhorse, and 7.3 mi (11.7 km) upstream from mouth on Prudhoe Bay.

DRAINAGE AREA.--176 mi² (456 km²), approximately.

PERIOD OF RECORD.--May 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by private engineering firm). Prior to June 4, 1972 on right bank 150 ft (46 m) downstream at same datum.

AVERAGE DISCHARGE.--5 years, 36.6 ft³/s (1.04 m³/s), 2.82 in/yr (72 mm/yr), 26,500 acre-ft/yr (32.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,000 ft³/s (57 m³/s) June 14, gage height, 20.55 ft (6.264 m), backwater from snow and ice; no flow Oct. 7 to June 6.

Period of record: Maximum discharge, 4,980 ft³/s (141 m³/s) June 6, 1971, gage height, 24.50 ft (7.468 m), at site then in use; no flow during winter periods each year.

REMARKS.--Records estimated prior to June 8, poor thereafter. Records of chemical analyses and suspended-sediment loads are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30								0	102	2.2	10
2	.30								0	96	2.2	10
3	.20								0	78	1.8	10
4	.20								0	66	1.4	10
5	.10								0	56	1.4	10
6	.10								0	48	1.4	9.0
7	0								1.0	36	1.5	8.0
8	0								10	30	1.5	7.5
9	0								50	27	1.5	7.0
10	0								100	25	1.8	6.5
11	0								400	23	1.5	6.0
12	0								450	21	1.5	5.0
13	0								1100	19	1.5	4.5
14	0								1600	16	1.5	4.0
15	0								1500	16	1.4	3.5
16	0								1080	14	1.3	3.0
17	0								896	14	1.2	2.5
18	0								728	11	1.3	2.0
19	0								602	11	1.2	4.0
20	0								500	9.9	1.3	6.0
21	0								420	9.6	1.5	5.5
22	0								345	7.8	1.5	5.0
23	0								305	5.4	1.5	4.5
24	0								260	4.7	1.4	4.0
25	0								224	4.0	1.4	3.5
26	0								188	3.2	2.6	3.0
27	0								168	3.2	5.0	2.5
28	0								141	3.2	4.0	2.0
29	0				---				120	2.6	5.0	1.5
30	0				---				112	2.6	6.8	1.0
31	0	---			---		---		---	2.2	9.6	---
TOTAL	1.20	0	0	0	0	0	0	0	11300.0	767.4	70.7	161.0
MEAN	.039	0	0	0	0	0	0	0	377	24.8	2.28	5.37
MAX	.30	0	0	0	0	0	0	0	1600	102	9.6	10
MIN	0	0	0	0	0	0	0	0	0	2.2	1.2	1.0
CFSM	.0002	0	0	0	0	0	0	0	2.14	.14	.01	.03
IN.	.0003	0	0	0	0	0	0	0	2.39	.16	.01	.03
AC-FT	2.4	0	0	0	0	0	0	0	22410	1520	140	319

CAL YR 1974 TOTAL 9824.30 MEAN 26.9 MAX 2000 MIN 0 CFSM .15 IN 2.08 AC-FT 19490
WTR YR 1975 TOTAL 12300.30 MEAN 33.7 MAX 1600 MIN 0 CFSM .19 IN 2.60 AC-FT 24400

NOTE.--No gage-height record Oct. 1 to June 7.

ARCTIC SLOPE ALASKA

15910000 Sagavanirktok River near Sagwon

LOCATION.--Lat 69°05'24", long 148°45'34" (revised), North Slope Borough, on right bank 0.6 mi (1.0 km) downstream from Lupine River, 20 mi (32 km) south of Sagwon, and 33.5 mi (53.9 km) upstream from Ivishak River.

DRAINAGE AREA.--2,208 mi² (5,719 km²).

PERIOD OF RECORD.--August 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,000 ft (305 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 1,739 ft³/s (49.2 m³/s), 10.70 in/yr (272 mm/yr), 1,260,000 acre-ft/yr (1.55 km³/yr).

EXTREMES.--Current year: Maximum discharge, 8,340 ft³/s (236 m³/s) July 15, gage height, 13.51 ft (4.118 m); maximum gage height, 17.44 ft (5.316 m) in late May, from floodmarks, backwater from ice; minimum daily discharge, 1.2 ft³/s (0.03 m³/s) Feb. 1 to Apr. 20.

Period of record: Maximum discharge, 28,900 ft³/s (818 m³/s) Aug. 19, 1974, gage height, 16.47 ft (5.020 m), from rating curve extended above 8,200 ft³/s (230 m³/s) on the basis of slope-area measurements at gage heights 14.6 ft (4.45 m) and 18.4 ft (5.61 m); maximum gage height, 17.44 ft (5.316 m) in late May 1975, from floodmarks, backwater from ice; minimum daily discharge, 1.2 ft³/s (0.03 m³/s) Feb. 1 to Apr. 20, 1975.

REMARKS.--Records estimated prior to June 6, fair thereafter. Discharges of less than 50 ft³/s (1.4 m³/s) are discontinuous with channel pools being connected by ground-water flow through streambed gravel. Flow may decrease downstream in the winter due to formation of icings. Records of chemical analyses and suspended-sediment loads are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	900	80	9.4	2.2	1.2	1.2	1.2	15	7200	3800	3230	6830
2	800	73	8.7	2.1	1.2	1.2	1.2	20	7000	3180	3020	5500
3	750	68	8.1	2.1	1.2	1.2	1.2	26	7000	2880	2800	4350
4	700	64	7.6	2.0	1.2	1.2	1.2	34	6800	2960	2600	3880
5	650	58	7.0	1.9	1.2	1.2	1.2	45	6800	3160	2750	3620
6	600	54	6.6	1.9	1.2	1.2	1.2	60	6890	3360	3640	3180
7	550	51	6.2	1.8	1.2	1.2	1.2	80	7300	3360	3760	2740
8	500	48	5.8	1.8	1.2	1.2	1.2	100	7010	3660	3170	2320
9	480	44	5.5	1.7	1.2	1.2	1.2	140	4800	3580	2860	2240
10	430	41	5.2	1.7	1.2	1.2	1.2	180	4920	3300	3820	2150
11	400	38	4.9	1.7	1.2	1.2	1.2	250	5050	4550	3560	2010
12	370	35	4.7	1.6	1.2	1.2	1.2	340	4850	4980	2900	1860
13	340	33	4.5	1.6	1.2	1.2	1.2	460	4250	5000	2630	1890
14	320	30	4.4	1.5	1.2	1.2	1.2	600	4500	6230	2660	1860
15	290	28	4.1	1.5	1.2	1.2	1.2	900	4480	7220	2940	1830
16	270	26	3.9	1.5	1.2	1.2	1.2	1200	3600	7340	3060	1790
17	250	24	3.7	1.5	1.2	1.2	1.2	1400	3660	7260	3320	1760
18	230	23	3.6	1.4	1.2	1.2	1.2	1600	3520	6380	2920	1760
19	210	21	3.5	1.4	1.2	1.2	1.2	1800	4000	5380	2810	1600
20	200	20	3.3	1.4	1.2	1.2	1.2	2200	4480	4220	2750	1500
21	180	18	3.2	1.3	1.2	1.2	1.6	2700	4300	3410	2660	1500
22	170	17	3.0	1.3	1.2	1.2	2.0	3400	4250	2900	2540	1600
23	160	16	2.9	1.3	1.2	1.2	2.6	4000	4650	2630	2480	1700
24	150	15	2.8	1.3	1.2	1.2	3.4	4700	4520	2390	2380	1700
25	140	14	2.7	1.3	1.2	1.2	4.4	5500	4100	2270	2270	1600
26	130	13	2.6	1.3	1.2	1.2	5.2	6200	4000	2360	2270	1500
27	120	12	2.5	1.3	1.2	1.2	7.0	6600	3660	3290	3640	1400
28	110	11	2.4	1.3	1.2	1.2	9.0	7200	3110	4180	3840	1300
29	100	11	2.4	1.3	---	1.2	10	7400	2980	3660	3960	1200
30	90	10	2.3	1.3	---	1.2	12	7400	3660	3300	5120	1100
31	86	---	2.2	1.3	---	1.2	---	7200	---	3410	5500	---
TOTAL	10676	996	139.7	48.6	33.6	37.2	81.2	73750	147340	125600	97860	69270
MEAN	344	33.2	4.51	1.57	1.20	1.20	2.71	2379	4911	4052	3157	2309
MAX	900	80	9.4	2.2	1.2	1.2	12	7400	7300	7340	5500	6830
MIN	86	10	2.2	1.3	1.2	1.2	1.2	15	2980	2270	2270	1100
CFSM	.16	.02	.002	.0007	.0005	.0005	.001	1.08	2.22	1.84	1.43	1.05
IN.	.18	.02	.002	.0008	.0006	.0006	.001	1.24	2.48	2.12	1.65	1.17
AC-FT	21100	1980	277	96	67	74	161	146300	292200	249100	194100	137400

CAL YR 1974 TOTAL 672379.4 MEAN 1842 MAX 25200 MIN 1.6 CFSM .83 IN 11.33 AC-FT 1334000
WTR YR 1975 TOTAL 525832.3 MEAN 1441 MAX 7400 MIN 1.2 CFSM .65 IN 8.86 AC-FT 1043000

NOTE.--No gage-height record Oct. 1 to June 5.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in floodflow analyses. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in time of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in one table, and discharge measurements made at miscellaneous sites for both low flow and high flow are given in a second table.

Crest-stage partial-record stations

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage gage partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft^3/s)
		SOUTHEASTERN					
15054500	Bessie Creek near Auke Bay	Lat 58°35'30", long 134°54'00", in SE¼ sec.7, T.38 S., R.63 E., Juneau Borough 800 ft upstream from mouth of Yankee Cove on eastern shore of Lynn Canal, and 16.6 mi northwest of Auke Bay.	1.35	1966-75	11- 2-74	7.51	300
15057500	William Henry Creek near Auke Bay.	Lat 58°44'46", long 135°14'25", about 600 ft upstream from mouth on western shore of Lynn Canal about 2 mi north of entrance to William Henry Bay, and 20.5 mi northwest of Auke Bay.	1.58	1966-75	11- 2-74	14.89	550
15081490	Yatuk Creek near Klawock	Lat 55°53'57", long 133°08'42", on Prince of Wales Island in Tongass National Forest, 0.4 mi upstream from mouth of Naukati Bay, and 24 mi north of Klawock.	5.80	1971-75	10- 8-74	18.69	1,150
15081890	Natzuhini Creek near Hydaburg	Lat 55°17'08". long 132°49'18", on Prince of Wales Island, in Tongass National Forest, 0.7 mi upstream from mouth of Natzuhini Bay, and 5.5 mi north of Hydaburg.	9.10	1971-75	1975	a	a
15086900	Red Creek near Point Baker	Lat 56°15'36", long 133°19'34", on Prince of Wales Island, in Tongass National Forest, 0.2 mi upstream from Red Bay tideflats, and 13 mi southeast of Point Baker.	11.2	1971-75	10- 8-74	19.13	1,430
15087500	Twin Creek near Petersburg	Lat 56°43'13", long 132°55'33", in NE¼NW¼ Sec.35, T.59 S., R.79 E., on Mitkof Island, at Mitkof highway bridge 600 ft upstream from mouth of Wrangell Narrows, and 6.5 mi south of Petersburg.	3.82	1966-75	10- 8-74	10.99	610
15087570	Hamilton Creek near Kake	Lat 56°52'21", long 133°40'30", in SE¼NE¼ sec.1, T.58 S., R.74 E., on Kupreanof Island, in Tongass National Forest, 2.9 mi upstream from mouth at Hamilton Bay, and 9.5 mi southeast of Kake.	65.0	1972-75	10- 8-74	12.30	4,000
15087585	Twelvemile Creek near Petersburg	Lat 56°52'21", long 133°04'05", in NW¼SE¼ sec.31, T.56 S., R.77 E., on Kupreanof Island, Lindenburg Peninsula, in Tongass National Forest, 0.8 mi upstream from mouth at Fredrick Sound, and 10 mi northwest of Petersburg.	9.39	1972-75	10- 8-74	10.30	e1,500
15087595	Kadake Creek near Kake	Lat 56°46'45", long 134°00'42", in NW¼SW¼ sec.1, T.59 S., R.72 E., on Kuiu Island, in Tongass National Forest, 1.5 mi upstream from mouth at Kadake Bay, and 15 mi south of Kake.	43.6	1972-75	9-30-75	103.14	e10,000

a Unkoown
e Estimated

Annual maximum discharge at crest-stage gage partial-record stations during water year 1975--Continued.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft^3/s)
		SOUTHEASTERN--Continued					
15101600	Wheeler Creek near Douglas	Lat 58°10'49", long 134°46'08", in SE¼NE¼ sec.27, T.44 S., R.65 E., on Admiralty Island in Tongass National Forest, on left bank, 2.4 mi upstream from mouth at Game Cove in Chatham Strait and 22 mi southwest os Douglas.	57.1	1971-75	7-25-75	p20.81	1,710
15101800	Fishery Creek near Angoon	Lat 57°45'45", long 134°42'21", on west shore of Admiralty Island in Tongass National Forest, approximately 0.5 mi upstream from mouth, and 19 mi northwest of Angoon.	54.3	1971-75	11- -74	27.97	3,250
15102350	North Arm Creek near Angoon	Lat 57°23'48", long 134°19'24", in SE¼NW¼ sec.3, T.52 S., R.69 E., on Admiralty Island, in Tongass National Forest, 1,300 ft upstream from the mouth of the North Arm of Hood Bay, and 12 mi southeast of Angoon.	8.64	1971-75	10- 8-74	18.85	1,100
15108250	Game Creek near Hoonah	Lat 58°03'02", long 135°29'21", in SE¼SE¼ sec.18, T.44 S., R.61 E., in Tongass National Forest, 2 mi upstream from mouth, and 4.5 mi southwest of Hoonah.	42.8	1970-75	11- -74	13.27	5,900
15108290	Bos Creek near Elfin Cove	Lat 58°11'49", long 136°03'07", in NW¼SW¼ sec.26, T.42 S., R.58 E., on Chichagof Island, in Tongass National Forest, 0.5 mi upstream from mouth behind Goose Island in Mud Bay, and 11 mi east of Elfin Cove.	16.7	1973-75	11- -74	45.76	e4,600
		SOUTH CENTRAL					
15198500	Station Creek near Mentasta	Lat 62°56'12", long 143°39'54", SW¼ sec. 2, T.13 N., R.9 E., on right bank, 0.3 mi upstream from wooden bridge on Mentasta Village Road, 1 mi west of Slana-Tok Highway, and 4 mi east of Mentasta.	15.3	1970-75	7- -75	g14.1	150
15199000	Copper River Tributary near Slana	Lat 62°43'03", long 144°14'21", SW¼ sec.23, T.11 N., R.6 E., on right bank 20 ft upstream from culvert at mile 51.8 on the Slana-Tok Highway, and 9 mi west of Slana.	4.32	1963-75	7-19-75	12.53	97
15200100	Dry Creek near Glennallen	Lat 62°08'49", long 145°28'31", NE¼ sec.7, T.4 N., on right bank at mile 119 Richardson Highway, and 3.3 mi north of Glennallen.	11.4	1963-75	6- 2-75	11.55	84
15201100	Little Nelchina River Tributary near Eureka Lodge	Lat 61°59'17", long 147°00'34", Matanuska-Susitna Borough, on right bank at mile 132 Glenn Highway, and 6 mi northwest of Eureka Lodge.	7.81	1964-75	6- -75	12.03	88
15208200	Rock Creek near Tonsina	Lat 61°45'32", long 145°09'14", in NW¼ sec.25, T.1 S., R.1 E., on right bank at mile 86.1 Richardson Highway, and 6.7 mi north of Tonsina Lodge.	14.3	1966-75	6- 2-75	9.89	56
15209000	Chititu Creek near May Creek	Lat 61°22'12", long 142°40'50", in NW¼ sec.11, T.6 S., R.15 E., on right bank 10 ft below wooden bridge on May Creek-Dan Creek Road, and 2 mi north of May Creek landing strip.	30.9	1973-75	9-11-75	5.85	(+)
15209100	May Creek near May Creek	Lat 61°20'42", long 144°04'00", in SE¼ sec.15, T.6 S., R.15 E., on left bank 100 ft west of the May Creek-Dan Creek Road, and 0.3 mi northwest of the north end of the May Creek landing strip.	10.4	1973-75	6- -74 7- 1-75	15.45 15.93	n43 81

e Estimated
g At different site and datum
n Not previously published
p Maximum recorded
(+) Not determined

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft^3/s)
		SOUTH CENTRAL--Continued					
15211700	Strelna Creek near Chitina	Lat 61°30'40", long 144°04'00", in NE¼ sec.22, T.4 S., R.7 E., 300 ft upstream from timber bridge on Chitina-McCarthy Road, and 13 mi east of Chitina.	23.8	1971-75	9-11-75	10.43	278
15211900	O'Brien Creek near Chitina	Lat 61°28'59", long 144°27'23", in NW¼NW¼ sec.35, T.4 S., R.5 E., 100 ft upstream from timber bridge on trail to Copper River gaging station, 0.1 mi upstream from mouth at Copper River, and 2.5 mi south of Chitina.	44.8	1970-75	7- 1-75	4.47	530
15212500	Boulder Creek near Tiekel	Lat 61°20'08", long 145°18'26", on right upstream wingwall at mile 51.4 Richardson Highway, and 0.7 mi north of Tiekel.	9.80	1963-75	7- 2-75	8.24	320
15236200	Shakespeare Creek at Whittier	Lat 60°46'35", long 148°43'35", NE¼ sec.22, T.8 N., R.4 E., on upstream right wingwall of concrete bridge 0.5 mi upstream from mouth, and 1.8 mi west of the Alaska Railroad terminal building.	3.05	1969-75	1975	a	a
15237400	Chalmers River near Cordova	Lat 60°13'10", long 147°13'30", in SE¼ sec.32, T.1 N., R.13 E., on Montague Island 1.2 mi upstream from mouth at Port Chalmers, and 58 mi southwest of Cordova.	6.32	1967-75	5- -75	12.26	2,950
15239500	Fritz Creek near Homer	Lat 59°42'30", long 151°20'35", SW¼ sec.28, T.5 S., R.12 W., Kenai Peninsula Borough, on left bank 200 ft above culvert on east road, and 9 mi northeast of Homer.	10.4	1963-75	5- -75	16.46	150
15239800	Diamond Creek near Homer	Lat 59°40'10", long 151°40'00", in SE¼ sec.9, T.6 S., R.14 W., Kenai Peninsula Borough, on right upstream wingwall of culvert on Sterling Highway, 1.3 mi upstream from mouth at Cook Inlet, and 4.6 mi northwest of Homer.	5.35	1963-75	5- -75	11.33	83
15240500	Cook Inlet Tributary near Ninilchik	Lat 59°58'45", long 151°43'20", Kenai Peninsula Borough, on left upstream culvert wingwall on Sterling Highway, 0.2 mi upstream from mouth at Cook Inlet, and 5.4 mi southwest of Ninilchik.	1.69	1966-75	5-12-75	12.50	30
15243950	Porcupine Creek near Primrose	Lat 60°20'30", long 149°22'15", Kenai Peninsula Borough, on right bank at 18-mile campground road, 0.2 mi upstream from mouth at Kenai Lake, and 0.8 mi west of Primrose.	16.8	1963-75	9-20-74 9- 9-75	*13.14 10.59	n859 530
15254000	Crescent Creek near Cooper Landing	Lat 60°29'50", long 149°40'40", Kenai Peninsula Borough, on left bank at bridge on Old Seward-Kenai Highway, 4.2 mi downstream from Crescent Lake, and 4.4 mi east of Cooper Landing.	31.7	#1949-66 1967-75	7- -75	11.09	330
15269500	Granite Creek near Portage	Lat 60°43'40", long 149°17'00", Kenai Peninsula Borough, on upstream side of center pier of bridge on Seward-Anchorage Highway, and 12 mi southwest of Portage.	28.2	1957-75	5- -75	10.16	640
15271900	Cub Creek near Hope	Lat 60°52'12", long 149°26'02", Kenai Peninsula Borough, on right wingwall of culvert, on Hope Highway, 0.1 mi upstream from mouth of Sixmile Creek, and 7.7 mi southeast of Hope.	1.80	1965-75	10- 6-74	11.57	23
15272530	California Creek near Girdwood	Lat 60°57'53", long 149°08'02", Anchorage Borough, at culverts on Alyeska Highway, 0.2 mi west of Girdwood Post Office, and 2.0 mi northeast of Seward-Anchorage Highway.	6.96	1967-75	7- -75	15.42	175

a Unknown
n Not previously published
Operated at a continuous-record station
* Backwater from Kenai Lake

Annual maximum discharge at crest-stage gage partial-record stations during water year 1975--Continued.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	dis-charge (ft^3/s)
		SOUTH CENTRAL--Continued					
15274800	South Branch of South Fork Chester Creek near Anchorage	Lat 61°12'37", long 149°43'57", on line between sec.13 and 24, T.13 N., R. 3 W., Anchorage Borough, at Muldoon Road crossing, and 5.4 mi east of Anchorage.	10.8	1967-75	5- 2-75	11.06	37
15282400	Puritan Creek near Sutton	Lat 61°48'42", long 148°08'01", in NW¼ sec. 23, T.20 N., R.7 E., Matanuska-Susitna Borough, on right bank below bridge at mile 89.3 Glenn Highway, and 25.2 mi northeast of Sutton.	8.51	1963-75	6- -75	7.58	49
15283500	Eska Creek near Sutton	Lat 61°43'44", long 148°54'31", in NE¼ sec.21, T.19 N., R.3 E., Matanuska-Susitna Borough, on right bank upstream from old railroad bridge near Eska-Jonesville Road, and 1.5 mi northeast of Sutton.	13.4	1965-69 1971-75	9-11-75	10.77	117
15291100	Raft Creek near Denali	Lat 63°03'04", long 147°16'22", in SE¼ sec. 36, T.21 S., R.2 E., Matanuska-Susitna Borough, on right bank above culverts at mile 69.2 Denali Highway, and 10.7 mi southeast of Denali.	4.33	1963-75	9-11-75	11.14	115
15292400	Chulitna River near Talkeetna	Lat 62°33'31", long 150°14'02", in SE¼ sec.32, T.29 N., R.5 W., on right bank, 0.5 mi downstream from Anchorage-Fairbanks Highway crossing, 4.5 mi downstream from Troublesome Creek, 16 mi northwest of Talkeetna, and 18 mi upstream from mouth.	2,570	#1958-72 1973-75	7-12-75	12.49	36,700
15293000	Caswell Creek near Caswell	Lat 61°86'55", long 150°03'14", in SW¼ sec.32, T.22 N., R.4 W., Matanuska-Susitna Borough, above culvert on Anchorage-Fairbanks Highway, and 2.3 mi south of Caswell.	19.6	1963-75	5-19-75	12.34	155
15294025	Moose Creek near Talkeetna	Lat 62°19'00", long 150°26'30", Matanuska-Susitna Borough, at bridge on Petersville Road, and 10.5 mi west of Talkeetna.	52.3	1972-75	5- -75	8.75	1,100
15297500	Red Cloud Creek Tributary near Kodiak	Lat 57°49'00", long 152°37'20", Kodiak Island Borough, 0.1 mi upstream from mouth, and 8.4 mi northwest of Iliamna.	1.51	1963-75	6- 9-75	*12.38	a
		SOUTHWEST					
15300000	Newhalen River near Iliamna	Lat 59°51'34", long 154°52'24", in NW¼ sec.1, T.4 S., R.33 W., on left bank, 12 mi downstream from Lake Clark (110 mi^2), and 8 mi north of Iliamna.	3,478	#1951-67 1968-75	9- 9-75	7.02	25,000
15300200	Roadhouse Creek near Iliamna	Lat 59°45'26", long 154°50'49", in SW¼ sec.11, T.5 W., R.32 W., at bridge on Iliamna Road, and 2.1 mi east of Iliamna airport.	20.8	1973-75	7-13-75	12.91	152
15302900	Moody Creek at Aleknagik	Lat 59°16'34", long 158°35'42", in SE¼ sec.30, T.10 S., R.55 W., on left bank, 12 ft upstream from culvert entrance, and 500 ft upstream from mouth at Wood River at the Aleknagik Mission.	1.28	1968-75	6- -75	18.10	22
15303010	Silver Salmon Creek near Aleknagik	Lat 59°13'34", long 158°40'21", in NW¼ sec.14, T.11 S., R.56 W., on right bank 4.5 mi upstream from mouth at Wood River, and 4 mi southwest of Aleknagik.	8.46	1964-75	6- 1-75	9.59	108

a Unknown
Operated as a continuous-record station
* Backwater

Annual maximum discharge at crest-stage gage partial-record stations during water year 1975--Continued.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft^3/s)
		YUKON					
15305900	Dennison Fork near Tetlin Junction	Lat 63°25'24", long 142°29'00", in SW¼ sec.14, T.19 N., R.15 E., on right bank, 10 ft upstream from culvert at mile 10.7 on the Taylor Highway, and 8.3 mi northeast of Tetlin Junction.	2.93	1963-75	6- 3-75	12.25	36
15305920	West Fork Tributary near Tetlin Junction	Lat 63°40'03", long 142°16'00", in SW¼ sec.23, T.22 N., R.16 E., on left bank 7 ft upstream from culvert at mile 32 on Taylor Highway, and 26.5 mi northeast of Tetlin Junction.	1.02	1966-75	6- -75	10.67	23
15305950	Taylor Creek near Chicken	Lat 63°54'27", long 142°12'58",(revised), in NW¼ sec.35, T.25 N., R.16 E., on right bank 29 ft upstream from bridge at mile 50.3 on Taylor Highway, and 14.5 mi southwest of Chicken.	38.4	1966-75	7- -75	11.80	125
15341900	North Fork King Salmon Creek near Eagle	Lat 64°32'32", long 141°15'00", at mile 135.8 of the Taylor Highway, 1,000 ft upstream from bridge and 18 mi south of Eagle.	18.5	1975	7- -75	19.88	(+)
15344000	King Creek near Dome Creek	Lat 64°23'28", long 141°24'36", T.6 S., R.32 E., on left bank 100 ft upstream from culvert at mile 119.8 on Taylor Highway, 0.2 mi upstream from mouth at O'Brien Creek, 4.7 mi east of Dome Creek and 29 mi south of Eagle.	5.99	1975	7- -75	6.41	39
15442500	Quartz Creek near Central	Lat 65°37'09", long 144°28'55", in SW¼ sec.7, T.9 N., R.16 E., on left bank, 20 ft upstream from bridge at mile 138.5 on Steese Highway, 1 mi upstream from mouth at Crooked Creek, 10 mi east of Central, and 19 mi southwest of Circle.	17.2	1967 1970-75	5- -75	20.04	265
15457700	Erickson Creek near Livengood	Lat 65°34'30", long 148°56'18", in SE¼ sec.26, T.9 N., R.7 W., 100 ft downstream of culvert at mile 12.5 on the TAPS haul road, and 12.5 mi northwest of Livengood.	26.3	1973-75	6- 3-73 5-13-75	17.47 21.34	n370 1,300
15470300	Little Jack Creek near Nabesna	Lat 62°32'47", long 143°19'30", in SE¼ sec.22, T.9 N., R.11 E., on left bank 0.2 mi upstream from wooden bridge on the Nabesna Road, and 15.6 mi northwest of Nabesna.	6.73	1975	9-11-75	16.92	171
15470330	Chalk Creek near Nabesna	Lat 62°30'19", long 143°09'24", in NE¼ sec.3, T.8 N., R.12 E., on right bank 0.1 mi above wooden bridge on Nabesna Road, and 10.3 mi northwest of Nabesna.	14.8	1975	9-11-75	17.69	297
15470340	Jack Creek near Nabesna	Lat 66°27'52", long 143°06'18", in NW¼ sec,24, T.8 N., R.12 E., on left bank 0.1 mi above wooden bridge on Nabesna Road, and 7 mi northwest of Nabesna.	115	1975	9-11-75	(+)	(+)
15471000	Bitters Creek near Northway Jundtion	Lat 63°09'38", long 142°05'20", in SE¼ sec.13, T.16 N., R.17 E., on left bank 52 ft upstream from culvert at mile 1,280 on the Alaska Highway, 1 mi upstream from mouth at Tanana River, and 13.5 mi northwest of Northway Junction.	15.4	1964-75	6- 3-75	11.68	107
15471500	Tanana River Tributary near Tetlin Junction	Lat 63°16'45", long 142°30'27", in SE¼ sec.3, T.17 N., R.15 E., on left bank 6 ft upstream from culvert at mile 1,297.8 on the Alaska Highway, and 3.7 mi southeast of Tetlin Junction.	2.43	1965-75	7-20-75	11.43	6.9

# Operated as a continuous-record station
(+) Not determined
‡ Revised
n Not previously published

Annual maximum discharge at crest-stage gage partial-record stations during water year 1975--Continued.

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft³/s)
		YUKON--Continued					
15473600	Log Cabin Creek at Log Cabin Inn	Lat 63°01'48", long 143°20'36", on right bank 20 ft upstream from bridge at mile 97.4 on the old section of the Slana-Tok Highway, and 24.9 mi southwest of Tok.	10.7	1965-75	6- 3-75	11.70	350
15473950	Clearwater Creek near Tok	Lat 63°10'19", long 143°12'03", in NE¼ sec. 18, T.16 N., R.11 E., 0.8 mi upstream from culverts at mile 109.5 on the Glenn Highway, and 22.5 mi southwest of Tok.	36.4	1963-75	6- 3-75	46.8	370
15476049	Tanana River Tributary near Cathedral Rapids	Lat 63°24'24", long 143°48'28", in SE¼ sec.23, T.19 N., R.8 E., on left bank, 0.3 mi upstream from culvert at mile 1,341 on the Alaska Highway, 0.6 mi upstream from mouth at Tanana River, and 2.5 mi northwest of Cathedral Rapids.	3.09	1972-75	6- -75	14.54	200
15476200	Tanana River Tributary near Dot Lake	Lat 63°41'40", long 144°17'40", in NW¼ sec.17, T.22 N., R.6 E., on left bank 20 ft upstream from culvert at mile 1,369 on the Alaska Highway, and 7.4 mi west of Dot Lake.	11.0	1964-75	7-20-75	11.96	103
15476400	Dry Creek near Dot Lake	Lat 63°41'32", long 144°34'16", in NW¼ sec.24, T.14 S., R.16 E., on piling near left bank, 64 ft above bridge at mile 1,378.1 on the Alaska-Highway, 0.6 mi upstream from mouth at Tanana River, and 15.7 mi west of Dot Lake.	57.6	1963-65 #1965-69 1969-75	5- 4-75	14.59	1,250
15478010	Rock Creek near Paxson	Lat 63°04'16", long 146°06'17", on right bank at mile 24.8 on the Denali Highway, and 18 mi west of Paxson.	50.3	1963-75	6-23-75	10.91	755
15478050	McCallum Creek near Paxson	Lat 63°13'27", long 145°38'56", in SW¼ sec.33, T.19 S., R.11 E., on right bank upstream [illegible] 8 ft upstream from bridge, at mile 202.4 on the Richardson Highway, 0.5 mi upstream from mouth at Phelan Creek, and 14.5 mi northwest of Paxson.	15.5	1966-75	6- -75	11.30	360
15478500	Ruby Creek near Donnelly	Lat 63°37'52", long 145°53'03", in NE¼ sec.7, T.16 S., R.10 E., on left bank 51 ft upstream from culvert at mile 234.8 on the Richardson Highway, and 2.3 mi south of Donnelly.	5.32	1963-75	8- 2-74 7-19-75	12.42 12.75	*190 250
15480000	Banner Creek at Richardson	Lat 64°17'34", long 146°20'56", in SW¼ sec.22, T.7 S., R.7 E., Fairbanks North Star Borough, on right bank 50 ft upstream from bridge at mile 295.4 on the Richardson Highway, 0.1 mi upstream from mouth at Tanana River, and 0.4 mi northwest of Richardson.	20.2	1963-75	5-12-75	12.83	530
15490000	Monument Creek at Chena Hot Springs	Lat 65°03'17", long 146°03'05", in SE¼ sec.26, T.3 N., R.8 E., Fairbanks North Star Borough, on left bank 800 ft from lodge at Chena Hot Springs, 0.4 mi upstream from unnamed tributary, and 1.3 mi upstream from North Fork Chena River.	26.7	1967-75	5-12-75	26.35	430
15515900	Lily Creek near Cantwell	Lat 63°19'54", long 148°16'16", in NW¼ sec.26, T.18 S., R.4 W., Matanuska-Susitna Borough, 300 ft upstream from culvert, at mile 111.9 on the Denali Highway, and 20 mi southeast of Cantwell.	5.63	1965-75	6- -75	22.62	113
15516000	Nenana River near Windy	Lat 63°27'28", long 148°48'11", Matanuska-Susitna Borough, near left bank under bridge on Denali Highway, 0.8 mi upstream from Jack River, 1 mi southeast of Windy railroad station, and 2 mi downstream from Schist Creek.	710	#1950-56 #1958-73 1974	6- -75	6.13	6,440
15516200	Slime Creek near Cantwell	Lat 63°30'34", long 148°48'39", in SE¼ sec.24, T.16 S., R.7 W., on left bank above culvert on the Anchorage-Fairbanks Highway, and 9.1 mi northeast of Cantwell.	6.90	1966-75	8- -75	13.55	(+)

c At least this high
Operated as a continuous-record station
(+) Not determined
* Revised

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (ft)	Annual maximum Discharge (ft^3/s)
YUKON--Continued							
15518200	Rock Creek near Ferry	Lat 64°01'56", long 149°08'40", in SW¼ sec.21, T.10 S., R.8 W., at midchannel 42 ft upstream from culverts on the Anchorage-Fairbanks Highway, 0.3 mi upstream from mouth at Nenana River, and 1.4 mi northwest of Ferry.	8.17	1964-75	1975	9.70	100
15518250	Birch Creek near Rex	Lat 64°10'35", long 149°17'26", in SW¼ sec.35, T.8 S., R.9 W., on left bank 20 ft upstream from culvert on the Anchorage-Fairbanks Highway, and 4.2 mi south of Rex.	4.10	1964-75	5- -75	10.91	122
15519200	Brooks Creek Tributary near Livengood	Lat 65°23'02", long 148°56'12", on right bank 20 ft upstream from culvert at mile 84 on the Elliot Highway, and 15 mi southwest of Livengood.	7.81	1964-75	5- -75	13.27	168
15520000	Idaho Creek near Miller House	Lat 65°21'13", long 146°09'33", in NW¼ sec.17, T.6 N., R.8 E., Fairbanks North Star Borough, on right bank 100 ft downstream from culverts at mile 79 on the Steese Highway, and 30 mi southwest of Miller House.	5.31	1963-75	5- 75	15.03	155
15541600	Globe Creek near Livengood	Lat 65°17'08", long 148°07'56", 0.1 mi upstream from culverts at mile 38 on the Elliott Highway, 9 mi upstream from mouth at Tatalina River, and 19 mi southeast of Livengood.	23.0	1964-75	5-13-75	15.55	450
15564872	Nugget Creek near Wiseman	Lat 67°29'25", long 144°52'20", in NW¼ sec.3, T.31 N., R.10 W., on right bank 300 ft above culvert at the TAPS haulroad, and 8.7 mi northeast of Wiseman.	9.47	1975	5-12-75	15.27	75
15564884	Prospect Creek near Prospect Camp	Lat 66°46'56", long 150°41'06", in NW¼ sec.31, T.23 N., R.14 W., on right bank 200 ft above bridge on the TAPS haulroad, 0.4 mi below TAPS pipeline crossing, 1.5 mi upstream from mouth at Jim River, and 1.4 mi southeast of Prospect Creek Camp.	110	1975	9-19-75	7.91	2,500
15564887	Bonanza Creek Tributary near Prospect Camp	Lat 66°36'52", long 150°41'24", in SE¼ sec.25, T.21 N., R.15 W., on right bank 0.3 mi below culverts on the TAPS haulroad, 3.4 mi upstream from mouth at Bonanza Creek, and 12.6 mi south of Prospect Camp.	11.7	1975	5-10-75	19.28	220
NORTHWEST							
15625000	Arctic Creek near Nome	Lat 64°38'15", long 165°42'46", in NE¼ sec.8, T.10 S., R.35 W., on right bank, 20 ft upstream from culvert on Nome-Teller Road, 2 mi above Bluff Creek, and 13 mi northwest of Nome.	1.76	1967-75	7-10-75	b	199
15633000	Washington Creek near Nome	Lat 64°42'52", long 165°49'13", in NW¼ sec.14, T.9 S., R.35 W., on right bank above culvert on Nome-Teller Road, and 19 mi northwest of Nome.	6.34	1964-75	7-10-75	19.35	620
15668100	Star Creek near Nome	Lat 64°55'40", long 164°57'39", on right bank above culvert at mile 40.5 on Nome-Taylor Road, 0.9 mi above Kruzgamepa River, and 32 mi northeast of Nome.	3.78	1964-75	7-10-75	12.49	130
15668200	Crater Creek near Nome	Lat 64°55'59", long 164°52'06", on right bank above culvert at mile 43 on Nome-Taylor Road, 1.3 mi above Kruzgamepa River, and 34 mi northeast of Nome.	21.9	1964-75	7-10-75	c	2,540

b Culvert damaged
c Road and culvert washed out

Annual maximum discharge at crest-stage gage partial-record stations during water year 1975--Continued.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (ft^3/s)
		ARCTIC SLOPE					
15905000	Gailbraith Lake Tributary near Gailbraith Camp	Lat 68°29'30", long 149°30'36", in NE¼ sec.15, T.11 S., R.11 E., 0.4 mi above culvert on the road to Gailbraith Camp, and 2.8 mi northwest of Gailbraith.	7.55	1975	1975	a	a
15910200	Happy Creek at Happy Valley Camp near Sagwon	Lat 69°08'50", long 148°49'50", North Slope Borough, on right bank at Happy Valley Camp 1 mi upstream from mouth, and 17.5 mi south of Sagwon.	34.5	1972-75	6- 6-75	16.09	572

a Unknown

Measurements of streamflow at points other than gaging stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1975.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		SOUTH-CENTRAL ALASKA				
Little Tonsina River	Tonsina River	Lat 61°28'55", long 145°08'42", in NW¼ sec.36, T.4 S, R.1 E., 0.3 mi east of mile 66 Richardson Highway, 120 ft upstream from pipeline crossing, and 12 mi south of Tonsina.	a22	--	5-30-75	75
Little Tonsina River	Tonsina River	Lat 61°29'25", long 145°11'23", in SE¼ sec.27, T.4 S., R.1 E., 0.4 mi southwest of mile 67.5 Richardson Highway, 90 ft upstream from pipeline crossing, and 12 mi south of Tonsina.	a28	--	4-12-75	8.3
Little Tonsina River	Tonsina River	Lat 61°29'30", long 145°11'24", in SE¼ sec.27, T.4 S., R.1 E., 0.4 mi southwest of mile 67.5 Richardson Highway, 90 ft downstream from pipeline crossing, and 12 mi south of Tonsina.	a28	--	4-11-75	4.5
Little Tonsina River	Tonsina River	Lat 61°30'14", long 145°13'07", in SW¼ sec.22, T.4 S., R.1 E., about 0.5 mi southwest of mile 69 Richardson Highway, 11 mi south of Tonsina.	a51	--	4-13-75 5-30-75	8.3 117
Little Tonsina River	Tonsina River	Lat 61°35'38", long 145°13'14", in SE¼ sec.21, T.3 S., R.1 W., west of mile 75 Richardson Highway, 5 mi south of Tonsina.	a89	--	5-30-75	160
McCarthy Creek	Kennicott River	Lat 61°25'18", long 142°53'20", in SE¼ sec.20, T.5 S., R.14 E., 1.4 mi southeast of McCarthy.	75.7	--	7- 1-75	†2,080
‡Control Creek	Olsen Bay	Lat 60°45'00", long 146°14'00", 0.5 mi upstream from mouth of Olsen Bay, and 21.6 mi northwest of Cordova.	4.22	1964-74	10-22-74	60
‡Chalmers River	Port Chalmers	Lat 60°13'10", long 147°13'30", in SE¼ sec.32, T.1 N., R.13 E., on Montague Island, 1.2 mi upstream from mouth at Port Chalmers, and 58 mi southwest of Cordova.	6.32	1967-74	6-18-75 10-20-75	172 52
‡Fritz Creek	Kachemak Bay	Lat 59°42'30", long 151°20'35", in SW¼ sec.28, T.5 S., R.12 W., on left bank 200 ft above culvert on east road, and 9 mi northeast of Homer.	10.4	1962, 1968-74	10- 9-74 5-14-75 6-11-75 9-11-75	12 76 31 32
‡Diamond Creek	Cook Inlet	Lat 59°40'10", long 151°40'00", in SE¼ sec.9, T.6 S., R.14 W., on right bank of Sterling Highway, 1.3 mi above Cook Inlet, and 4.6 mi northwest of Homer.	[illegible].36	1962, 1968-74	5-14-75 9-10-7[illegible]	47 14
‡Cook Inlet Tributary	Cook Inlet	Lat 59°58'45", long 151°43'20", on left upstream wingwall of culvert on Sterling Highway, 5.4 mi southwest of Ninilchik.	1.68	1968-74	10-10-74 5-14-75	7.5 25
Crooked Creek	Kasilof River	Lat 60°17'50", long 151°16'20", (revised), in NE¼ sec.1, T.2 N., R.12 W., at culvert on the Old Sterling Highway, 1.8 mi upstream from Kasilof River and 6.5 mi southeast of Kasilof.	53.8	1973, 1974	1-25-74 2- 1-75 3-13-75	20 40 22
Jean Creek	Kenai River	Lat 60°29'04", long 150°06'55", at culvert on Skilak Lake Road, 0.3 mi from Sterling Highway Junction, and 10 mi southwest of Cooper Landing.	11.7	1974	1-30-75 3-11-75	2.3 2.0
Hidden Creek	Skilak Lake	Lat 60°27'30", long 150°11'47", at culvert on Skilak Lake Road, 0.7 mi downstream from Hidden Lake, and 13 mi southwest of Cooper Landing.	b23	1973, 1974	1-30-75 3-11-75	6.3 7.9

† Measurement of peak flow.
‡ Also a crest-stage partial-record station
a Approximately
b Estimated as drainage area boundary is difficult to determine.

Discharge measurements made at miscellaneous sites during water year 1975--Continued.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
SOUTH-CENTRAL ALASKA--CONTINUED						
Ship Creek	Knik Arm	Lat 61°14'35", long 149°42'27", in SW¼ sec.6, T.13 N., R.2 W., 200 ft above Fort Richardson Power Plant.	--	--	11-20-74	23
Ship Creek	Knik Arm	Lat 61°14'20", long 149°47'24", in NE¼ sec.10, T.13 N., R.3 W., near right bank on downstream side of bridge at Elmendorf Air Force Base, 3.7 mi northeast of Anchorage Post Office, and 4.9 mi above mouth.	113	+1963-71, 1972-74	1- 8-75 2-12-75 3-20-75 4-10-75	5.7 2.4 1.7 0.56
Little Meadow Creek	Big Lake	Lat 61°34'28", long 149°40'50", in SW¼ sec.8, T.17 N., R.2 W., at outlet of Blodgett Lake, 8.1 mi southeast of Houston.	--	--	3-13-75	2.0
Little Meadow Creek	Big Lake	Lat 61°34'38", long 149°43'33", in SE¼ sec.12, T.17 N., R.3 W., 500 ft downstream from former Parks Highway crossing, 2.4 mi upstream from Lucile Creek, and 5.5 mi southeast of Houston	b17	1974	12-11-74 1-15-75 3-13-75	8.3 7.5 4.4
Meadow Creek	Big Lake	Lat 61°33'49", long 149°49'22", in SE¼ sec.16, T.17 N., R.3 W., at crossing of road to Beaver Lake, 1.8 mi downstream from confluence of Little Meadow Creek and Lucile Creek, and 3.2 mi upstream from Big Lake.	b41	1974	12-11-74 1-15-75 3-13-75 8- 6-75	13 4.1 12 31
Fish Creek	Knik Arm	Lat 61°32'03", long 149°49'30", in SE¼ sec.28, T.17 N., R.3 W., at outlet of Big Lake, and 13 mi west of Wasilla.	c68	1971, 1974	12-11-74 1-15-75 3-13-75 8- 6-75	29 22 20 38
Fish Creek	Knik Arm	Lat 61°26'21", long 149°47'04", in NE¼ sec.34, T.16 N., R.3 W., 150 ft upstream from bridge on Goose Bay road, and 2.2 mi southwest of Knik.	b100	1974	12-11-74 1-15-75 3-13-75	43 24 27
Peters Creek	Kahiltna River	Lat 62°31'57", long 150°48'27", in NE¼ sec.7, T.28 N., R.8 W., 0.1 mi downstream from Pioneer Gulch, and 3 mi northwest of Petersville.	25.4	--	8- 7-75	66
Peters Creek	Kahiltna River	Lat 62°23'00", long 150°43'53", in SE¼ sec. 34, T.27 N., R.8 W., 0.7 mi upstream from Martin Creek and 0.7 mi northeast of Peters Creek.	53.1	--	8- 7-75	113
Capps Creek	Chichantna River	Lat 61°19'46", long 151°37'26", in SW¼ sec.4, T.14 N., R.13 W., 0.5 mi upstream from mouth, and 24 mi northwest of Tyonek.	11.8	--	8-14-75	49
Bishop Creek	Beluga River	Lat 61°18'23", long 151°30'27", in NW¼ sec.18, T.14 N., R.12 W., 3 mi west of Bishop Lake, and 21 mi northwest of Tyonek.	10.9	--	8-14-75	59
Chuitna River	Cook Inlet	Lat 61°11'52", long 151°39'20", in SW¼ sec.20, T.13 N., R.13 W., 0.2 mi downstream from Wolverine Fork, and 20 mi northwest of Tyonek.	19.5	--	8-14-75	68
Chuit Creek	Chuitna River	Lat 61°12'44", long 151°33'54", in SW¼ sec.14, T.13 N., R.13 W., 5.4 mi upstream from mouth, and 17 mi northwest of Tyonek.	9.80	--	8-14-75	55
Chuit Creek	Chutina River	Lat 61°10'19", long 151°31'12", in SE¼ sec.36, T.13 N., R.13 W., 1.6 mi upstream from mouth, and 15 mi northwest of Tyonek.	12.4	--	8-14-75	75
Chuitna River	Cook Inlet	Lat 61°06'31", long 151°15'07", in NE¼ sec.29, T.12 N., R.11 W., 2.5 mi downstream from Lone Creek and 5 mi northwest of Tyonek.	131	--	8-14-75	387
Karluk River	Pacific Ocean	Lat 57°26'29", long 154°06'26", at Karluk Lake outlet, and 8.0 mi southwest of Larsen Bay.	--	1974	6- 4-75	765

+ Operated as a continuous record station.
b Estimated as drainage area boundary is difficult to determine.
c Revised, estimated as drainage area boundary is difficult to determine.

Discharge measurements made at miscellaneous sites during water year 1975--Continued.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		SOUTHWEST ALASKA				
≠Eskimo Creek	Naknek River	Lat 58°41'08", long 156°40'08", in SW¼ sec.23, T.17 S., R.44 W., on left bank 30 ft upstream from culvert on King Salmon-Naknek Road, 0.3 mi upstream from mouth, and 0.3 mi northwest of King Salmon Post Office.	16.1	--	7-27-65 8-26-65 6-14-66 7-27-66 8-30-66 6-15-67 7-28-67 8-27-67 6-21-68 5-27-70 7- 7-70 8-21-70 7- 7-71 8-17-71 7-12-72 8-22-72 7-13-73 8-25-73	7.6 14 17 7.2 28 14 16 26 11 8.0 5.0 30 9.4 52 10 37 9.4 37
		YUKON ALASKA				
Fielding Lake Outlet	Phelan Creek	Lat 63°11'33", long 145°38'56", in SE¼SW¼ sec.9, T.20 S., R.11 E., 2.2 mi upstream from mouth.	40.8	1974	6-26-75	250
Phelan Creek	Delta River	Lat 63°12'44", long 145°38'13", in SE¼NE¼ sec.4, T.20 S., R.11 E., at bridge at mile 201.5 on Richardson Highway, 12.0 mi upstream from mouth.	37.7	1974	6-24-75	286
Phelan Springs	Phelan Creek	Lat 63°14'42", long 145°40'30", in NW¼NE¼ sec.29, T.19 S., R.11 E., at pull out at mile 203.9 on Richardson Highway.	--	1974	6-24-75	1.6
Phelan Creek	Delta River	Lat 63°19'45", long 145°43'54", in SE¼NE¼ sec.25, T.18 S., R.10 E., next to road at mile 212 on Richardson Highway, 1.0 mi upstream from mouth.	132	1974	6-26-75	973
Miller Creek	Delta River	Lat 63°22'25", long 145°43'45", in NE¼NE¼ sec.12, T.18 S., R.10 E., at bridge at mile 215.1 on Richardson Highway, 0.6 mi upstream from mouth.	--	1974	6-24-75	1,030
Lower Miller Creek	Castner Creek	Lat 63°23'52", long 145°44'00", in NE¼SE¼ sec.36, T.17 S., R.10 E., at bridge at mile 216.7 on Richardson Highway, 0.8 mi upstream from mouth.	--	1974	6-24-75	230
Castner Creek	Delta River	Lat 63°24'12", long 145°43'55", in NE¼NE¼ sec.36, T.17 S., R.10 E., at bridge at mile 217.2 on Richardson Highway, 1.0 mi upstream from Lower Miller Creek, and 1.0 mi upstream from mouth.	--	1974	6-24-75	610
Trims Creek	Delta River	Lat 63°25'27", long 145°45'09", in NW¼SW¼ sec.24, T.17 S., R.10 E., at bridge at mile 218.7 on Richardson Highway, 1.0 mi upstream from mouth.	5.48	1974	6-24-75	69
Michael Creek	Delta River	Lat 63°26'06", long 145°46'48", in SE¼SW¼ sec.14, T.17 S., R.10 E., at bridge at mile 219.8 on Richardson Highway, 0.2 mi upstream from mouth.	3.39	1974	6-24-75	36
Flood Creek	Delta River	Lat 63°26'48", long 145°47'54", in NE¼NE¼ sec.15, T.17 S., R.10 E., at bridge at mile 220.8 on Richardson Highway, 0.3 mi upstream from mouth.	a3.3	1974	6-24-75	31
Whistler Creek	Delta River	Lat 63°28'15", long 145°50'30", in NE¼SW¼ sec.4, T.17 S., R.10 E., at bridge at mile 222.9 on Richardson Highway, 0.3 mi upstream from mouth.	3.20	1974	6-26-75	29
Boulder Creek	Delta River	Lat 63°28'48", long 145°51'06", in SE¼SW¼ sec.32, T.16 S., R.10 E., at bridge at mile 223.7 on Richardson Highway, 0.3 mi upstream from mouth.	3.27	1974	6-26-75	31
Falls Creek	Delta River	Lat 63°31'03", long 145°51'16", in SE¼NW¼ sec.20, T.16 S., R.10 E., at culvert at mile 226.4 on Richardson Highway, 0.1 mi upstream from mouth	a2.8	1974	6-25-75	16

≠ Also a crest-stage partial-record station
a Approximately

Discharge measurements made at miscellaneous sites during water year 1975--Continued.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		YUKON ALASKA--Continued				
Gunnysack Creek	Delta River	Lat 63°31'30", long 145°51'05", in SE¼SW¼ sec.17, T.16 S., R.10 E., at bridge at mile 227.1 on Richardson Highway, 0.2 mi upstream from mouth.	5.17	1974	6-25-75	40
Darling Creek	Delta River	Lat 63°34'55", long 145°51'59", in SE¼SE¼ sec.30, T.15 S., R.10 E., at bridge at mile 231.0 on Richardson Highway, 0.5 mi upstream from mouth.	--	1974	6-25-75	54
Donnelly Creek	Delta River	Lat 63°40'39", long 145°52'54", in NW¼NE¼ sec.30, T.14 S., R.10 E., at culvert at mile 237.9 on Richardson Highway, 0.7 mi upstream from mouth.	a4.4	1974	6-25-75	33
Jarvis Creek	Delta River	Lat 64°01'25", long 145°43'25", in NW¼NE¼ sec.26, T.10 S., R.10 E., at bridge at mile 265.8 on Richardson Highway, 0.8 mi upstream from mouth, and 1.1 mi south of Delta Junction.	247	1948-49, 1955-56, 1966,197	6-25-75	551
Delta River	Tanana River	Lat 64°09'10", long 145°51'35", in NE¼ sec.7, T.9 S., R.10 E., 0.2 mi upstream from mouth and 0.6 mi west of Big Delta.	--	--	3-10-75	27
Redmond Creek	Salcha River	Lat 64°28'16", long 146°32'07", in SE¼NE¼ sec.22, T.5 S., R.6 E., at Transalaska Oil Pipeline crossing, 2 mi upstream from mouth, and 13.5 mi east of Salchaket.	75.8	--	7-15-75 9-19-75	12 30
Salchaket Slough	Bypass flow to Tanana River	Lat 64°44'35", long 148°00'00", in SE¼NW¼ sec.17, T.2 S., R.2 W., 0.7 mi upstream from mouth, and 10.5 mi southwest of Fairbanks.	--	1970, 1973-74	7-17-75	5,080
Tanana River	Yukon River	Lat 64°45'08", long 148°02'22", in SE¼ sec.7, T.2 S., R.2 W., 0.9 mi downstream from Salchaket Slough, 10.6 mi southwest of Fairbanks.	--	1970	2-19-75	6,080
Coal Creek	Healy Creek	Lat 63°52'47", long 148°40'37", in NW¼NE¼ sec.14, T.12 S., R.6 W., at mouth, 5.4 mi northeast of Suntrana.	18.1	--	7-30-75	56
Cripple Creek	Healy Creek	Lat 63°52'45", long 148°44'06", in NW¼NE¼ sec.16, T.12 S., R.6 W., at bridge at mouth, 3.8 mi northeast of Suntrana.	7.33	--	7-30-75	23
Healy Creek	Nenana River	Lat 63°51'10", long 148°50'37", in NW¼NW¼ sec.25, T.12 S., R.7 W., at Suntrana, 3.2 mi upstream from mouth.	107	--	7-30-75 9-12-75	245 232
Tanana River	Yukon River	Lat 64°51'48", long 149°07'00", in NE¼ sec.3, T.1 S., R.8 W., 2.6 mi southeast of Minto.	--	--	2-22-75	8,280
Tanana River	Yukon River	Lat 64°49'08", long 149°50'00", in NE¼ sec.19, T.1 S., R.11 W., 2.5 mi downstream from Tolovana and 6.2 mi upstream from Kantishna River.	--	--	2-21-75	8,750
Tanana River	Yukon River	Lat 64°57'13", long 150°26'23", in SE¼ sec.32, T.2 N., R.14 W., 6.6 mi southeast of Manley Hot Springs and 21 mi downstream from Kantishna River.	--	--	2-20-75	10,400
Tanana River	Yukon River	Lat 64°53'15", long 151°16'18", in NW¼ sec.29, T.1 N., R.18 W., at Coona Bluff, 21 mi downstream from Manley Hot Springs.	--	--	2-20-75	9,690
Tanana River	Yukon River	Lat 65°01'18", long 151°40'26", in NW¼ sec.8, T.2 N., R.20 W., 16 mi upstream from mouth and 16.2 mi southeast of Tanana.	--	--	2-18-75	10,400

a Approximately

Discharge measurements made at miscellaneous sites during water year 1975--Continued.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		ARCTIC SLOPE ALASKA				
Flood Creek	Ivishak River	Lat 68°58'40", long 147°51'30", in SW¼ sec.28, T.5 S., R.18 E., about 8 mi upstream from mouth, 35.5 southeast of Sagwon.	a77	1973	5-20-75	54
Shublik Springs	Canning River	Lat 69°27'30", long 146°09'45", in T.1 N., R.24 E., 3.2 mi southwest of Mt. Copleston, 61.3 mi east of Sagwon.	--	1969, 1972-73	4-28-75	24
Hulahula River	Beaufort Sea	Lat 69°41'47", long 144°12'10", in SE¼ sec.14, T.4 N., R.32 E., 28 mi upstream from mouth and 38 mi southwest of Kaktovik.	a677	--	8- 7-75	739
Hulahula River	Beaufort Sea	Lat 69°45'39", long 144°09'15", in NW¼ sec.28, T.5 N., R.32 E., 27 mi upstream from mouth and 29.6 mi southwest of Kaktovik.	a684	--	4-28-75 11-26-75	7.3 4.6
Aichilik Spring	Aichilik River	Lat 69°31'06", long 143°02'00", in NE¼ sec.21, T.2 N., R.37 E., 45.3 mi southwest of Demarcation Point.	--	--	4-27-75	1.5
Ekaluakat River	Egaksrak River	Lat 69°35'27", long 142°18'00", in SE¼ sec.28, T.3 N., R.40 E., 13.5 mi upstream from mouth, 28 mi southwest of Demarcation Point, and 49.6 mi southeast of Kaktovik.	a150	--	4-22-75	5.1

a Approximately

Eagle River seepage investigation - Eagle River, Alaska

On October 25, 1974, a series of discharge measurements were made on Eagle River to study channel gains and losses. The reach measured is 15.7 miles in length and extends from 10.5 miles below the terminus of Eagle Glacier to the USGS stream gaging station 8.5 miles upstream from the mouth. The measurements were made during a period of steady flow. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements. A previous seepage investigation of this reach was made May 8, 1974.

Eagle River Mile	Stream	Location	Discharge, in cubic feet per second		
			Inflow	Main stem	Gain or loss
24.2	Eagle River	SW¼SW¼NE¼ sec.16, T.13 N., R.1 E.	--	165.2	--
19.0	....do.....	NE¼NW¼NW¼ sec.36, T.14 N., R.1 W.	--	127.3	-37.9
17.8	tributary	NW¼NE¼NE¼ sec.26, T.14 N., R.1 W., at mouth	79.2	--	--
13.2	South Fork	SW¼SW¼SW¼ sec.16, T.14 N., R.1 W., 500 ft above mouth	26.3	--	--
13.1	Eagle River	NW¼SW¼SW¼ sec.16, T.14 N., R.1 W., 150 ft below mouth of S. Fork	--	246.4	+13.6
8.5	....do.....	SE¼NW¼NW¼ sec.13, T.14 N., R.2 W., gaging station 15217000	--	252.5	+ 6.0
		Overall net gain or loss			-18.3

Measurements of lake levels of selected lakes are given in the following table. Data are being collected at these lakes to define lake-level changes from seasonal variations, the effects of man, response to droughts and response to changes in the ground-water system. Lake levels are referenced to an arbitrary gage datum and not tied to mean sea level.

Lake	Tributary to	Location	Surface area (acres)	Measured previously (water year)	Measurements	
					Date	Lake level (ft.)
		Kenai Peninsula				
Kidney	Closed lake in Beaver Creek basin	Lat 60°42'18", long 151°00'15", in NE¼ sec. 15, T.7 N., R.10 W., at the northeast shore, and 13.7 mi northeast of Kenai.	236	1970-73	10-15-74	10.83
Cabin	Closed lake	Lat 60°40'30", long 151°19'15", in NE¼ sec. 26, T.7 N., R.12 W., at the eastern shore, 0.2 mi west of Miller Loop Road, and 8.5 mi northwest of Kenai.	57	1970-73	10-15-74	9.25
Dog Bone	Closed lake	Lat 60°41'42", long 151°17'35", in SE¼ sec. 13, T.7 N., R.11 W., at the western shore, 0.9 mi east of Island Lake Road, and 10.7 mi north of Kenai.	29	1970-73	10-15-74	4.45
Island	Closed lake	Lat 60°42'19", long 151°19'06", in SE¼ sec. 11, T.7 N., R.12 W., at the western shore, 0.1 mi east of Island Lake Road, and 10.7 mi north of Kenai.	27	1970-73	10-15-74	10.41
Unamed Lake	Closed lake in Bernice Creek basin	Lat 60°40'13", long 151°19'05", in SW¼ sec. 23, T.7 N., R.12 W., at the southern shore, 0.4 mi north of Miller Loop Road, and 9.4 mi north of Kenai.	9.6	1970-73	10-15-74	9.08
Bernice	Bernice Creek	Lat 60°41'28", long 151°22'28", in SW¼ sec. 15, T.7 N., R.12 W., at the western shore, 0.1 mi east of outlet, 0.2 mi east of North Kenai Road, and 10.3 mi northwest of Kenai.	150	1970-73	10-15-74	16.90
Wick	Closed lake	Lat 60°43'06", long 151°17'35", in NE¼ sec. 8, T.7 N., R.11 W., at the northern shore, 0.2 mi south of Lamplighter Holt Road, and 11.4 mi north of Kenai.	160	1970-73	10-15-74	14.18
Laura	Closed lake	Lat 60°43'44", long 151°13'15", in NW¼ sec. 4, T.7 N., R.11 W., at the northwestern shore, 0.3 mi southeast of Halbouty Road, and 12.1 mi north of Kenai.	42	1970-73	10-15-74	3.61
		Anchorage				
Sand	Closed lake	Lat 61°09'03", long 149°58'25", in NW¼ sec. 10, T.12 N., R.4 W., at western shore, 4.0 mi southwest of Spenard. (Station number 15274700.)	78	1967-74#	2-04-75 2-11-75 2-21-75 2-27-75 5-09-75 5-23-75 5-30-75 6-13-75 7-22-75 8-22-75 8-26-75 9-08-75 9-19-75	*83.94 83.94 83.92 83.96 84.91 84.98 85.04 84.91 84.59 84.41 84.38 84.30 84.66
Campbell Point	Closed lake	Lat 61°09'49", long 150°01'20", in NE¼ sec. 8, T.12 N., R.4 W., in Kincaid Park near Anchorage International Airport, at the northeast shore, 11.9 mi southwest of Spenard.	11	-	10-07-73	a67.4
Conners	Closed lake	Lat 61°10'03", long 149°55'44", in SE¼ sec. 35, T.13 N., R.4 W., near Anchorage International Airport, at northeast shore, 2.1 mi southwest of Spenard.	33	-	7-06-73 10-07-73 8-26-75	75.56 a75.0 74.23
Jewel	Closed lake	Lat 61°08'23", long 149°57'41", in SE¼ sec. 10, T.12 N., R.4 W., at public swimming area on northeast shore, 4.2 mi southwest of Spenard.	27	-	10-07-73 9-10-74 8-26-75	a90.0 89.72 90.18

Operated as a daily stage station during open water with occasional readings during rest of year.
* Gage datum is at mean sea level.
a From 2-foot contour interval maps prepared from aerial photographs taken on October 7, 1973.

LAKE-LEVEL MEASUREMENTS OF SELECTED LAKES--(Continued)

Lake	Tributary to	Location	Surface area (acres)	Measured Previously (water year)	Measurements	
					Date	Lake level (ft.)
		Anchorage (Continued)				
Sundi	Closed lake	Lat 61°08'50", long 149°57'55", in NE¼ sec. 10, T.12 N., R.4 W., at northeast shore, 3.9 mi southwest of Spenard.	8.8	-	10-07-73 9-10-74 8-26-75	a90.2 88.80 89.16
Delong	Closed lake	Lat 61°09'47", long 149°57'20", in NE¼ sec. 3, T.12 N., R.4 W., near Anchorage International Airport; at southeast shore, 2.8 mi southwest of Spenard.	18	-	10-07-73	a73.3
Goose	Closed lake	Lat 61°11'48", long 149°49'06", in SE¼ sec. 21, T.12 N., R.3 W., at the northern shore, and 2.9 mi southeast of Anchorage Post Office.	18	1958-72	8-20-75	18.86
Lake Otis	Closed lake	Lat 61°11'27", long 149°50'18", in NE¼ sec. 29, T.13 N., R.2 W., at the southeastern shore, and 2.6 mi southeast of Anchorage Post Office.	9.0	1958-72	4-20-73 8-20-75	16.62 15.92
		Susitna River Basin				
Big Lake	Fish Creek	Lat 61°31'56", long 149°49'20", head of Fish Creek at lake outlet, on left bank upstream from square notched weir upstream from bridge on Big Lake road, and 13 mi southwest of Wasilla. (Station number 15287000.)	3,104	1972-73	5-29-74 7-03-74 9-18-74 6-18-75 7-18-75 9-25-75	10.20 10.00 9.26 10.38 10.28 10.57
Scotty	Ninemile Creek	Lat 62°19'05", long 150°19'20", head of Ninemile Creek, 0.1 mi north of Petersville Road, 0.3 mi south of outlet, and 7 mi west of Talkeetna. (Station number 15294030.)	224	1972-73	7-02-74 9-22-74 6-18-75 7-18-75 9-23-75	8.39 8.43 9.04 8.66 9.28

a From 2-foot contour interval maps prepared from aerial photographs taken on October 7, 1973.

SECTION 2 WATER QUALITY RECORDS

15054000 Auke Creek at Auke Bay

LOCATION.--Lat 58°22'56", long 134°38'10", City and Borough of Juneau, temperature recorder at gaging station on right bank, 100 ft (30 m) downstream from bridge on Glacier Highway, 550 ft (168 m) downstream from Auke Lake, 0.3 mi (0.5 km) upstream from mouth at Auke Bay, and 0.5 mi (0.8 km) east of Auke Bay.

DRAINAGE AREA.--3.96 mi² (10.26 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1968, 1973-75 (partial-record station).
Water temperatures: October 1962 to September 1975 (discontinued)
Sediment records: Water years 1967-68 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 22 5°C July 10; minimum recorded, 0.5°C Jan. 29 to Feb. 22, Mar. 14-17, 21-29.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 22.5°C July 10, 1975; minimum, freezing point on several days during winter months of most years.

REMARKS.--No temperature records Nov. 15 to Dec. 31, 1974 and Aug. 2 to Sept. 30, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT.					
03...	1500	36	27	6.3	8.5
NOV.					
04...	1335	57	23	5.7	6.5
29...	1100	19	29	6.0	4.0
DEC.					
27...	1400	19	29	6.5	2.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.5	9.0	6.5	6.5			3.0	2.5	1.0	0.5	1.0	1.0
2	9.0	8.5	6.5	[illegible]			3.0	2.0	1.0	0.5	1.5	1.0
3	8.5	8.0	6.5	6.5			3.0	2.5	0.5	0.5	1.5	1.5
4	8.0	8.0	6.5	6.5			2.5	1.5	0.5	0.5	1.5	1.5
5	8.0	8.0	6.5	6.0			2.0	1.5	0.5	0.5	1.5	1.5
6	8.0	7.0	6.0	6.0			1.5	1.5	0.5	0.5	1.5	1.0
7	8.0	7.0	6.0	6.0			1.5	1.5	1.0	0.5	1.5	1.0
8	8.0	7.0	6.0	6.0			1.5	1.0	1.0	0.5	1.5	1.0
9	7.5	7.5	6.0	6.0			1.5	1.0	1.0	0.5	1.5	1.0
10	7.5	7.0	6.0	6.0			1.5	1.0	0.5	0.5	1.5	1.0
11	7.0	7.0	6.0	5.5			1.5	1.0	0.5	0.5	1.5	1.0
12	7.0	7.0	6.0	5.5			1.5	1.0	0.5	0.5	1.5	1.0
13	7.0	7.0	5.5	5.5			1.5	1.0	0.5	0.5	1.0	1.0
14	7.0	7.0	5.5	5.5			1.5	1.0	1.0	0.5	1.0	0.5
15	7.0	7.0	---	---			1.0	1.0	1.0	0.5	1.0	0.5
16	7.0	7.0	---	---			1.0	1.0	1.0	0.5	1.0	0.5
17	7.0	7.0	---	---			1.0	1.0	0.5	0.5	1.0	0.5
18	7.0	7.0	---	---			1.0	1.0	0.5	0.5	1.5	1.0
19	7.0	7.0	---	---			1.0	1.0	0.5	0.5	1.5	1.0
20	6.5	6.5	---	---			1.0	1.0	0.5	0.5	1.0	1.0
21	6.5	6.5	---	---			1.0	1.0	0.5	0.5	1.5	0.5
22	6.5	6.5	---	---			1.0	1.0	1.0	0.5	1.5	0.5
23	6.5	6.5	---	---			1.0	1.0	1.0	1.0	1.5	0.5
24	6.5	6.5	---	---			1.0	1.0	1.0	1.0	1.0	0.5
25	6.5	6.5	---	---			1.0	1.0	1.0	1.0	1.5	0.5
26	6.5	6.5	---	---			1.0	1.0	1.0	1.0	1.5	0.5
27	6.5	6.5	---	---			1.0	1.0	1.0	1.0	1.0	0.5
28	6.5	6.5	---	---			1.0	1.0	1.0	1.0	1.0	0.5
29	7.0	6.5	---	---			1.0	0.5	---	---	1.0	0.5
30	6.5	6.5	---	---			1.0	0.5	---	---	1.5	1.0
31	6.5	6.5	---	---			1.0	0.5	---	---	1.5	1.0
MONTH	9.5	6.5	---	---			3.0	0.5	1.0	0.5	1.5	0.5

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15054000 Auke Creek at Auke Bay--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.0	1.0	4.5	3.5	13.0	12.0	15.5	15.0	14.0	13.5		
2	1.5	1.0	4.5	3.5	12.5	8.5	15.0	14.5	---	---		
3	1.5	1.0	5.5	4.0	11.0	9.0	15.0	14.0	---	---		
4	2.0	1.5	4.5	4.0	11.0	10.0	15.0	13.5	---	---		
5	2.0	1.5	4.5	4.0	10.0	9.5	14.5	13.5	---	---		
6	2.0	1.5	5.0	4.0	10.0	9.0	18.0	14.5	---	---		
7	2.0	1.5	5.5	4.0	10.0	9.0	20.5	16.0	---	---		
8	2.0	1.5	5.0	4.5	10.0	9.5	19.0	18.0	---	---		
9	2.5	1.5	8.0	4.5	10.0	8.5	21.0	17.5	---	---		
10	2.0	1.5	10.0	6.5	10.5	8.5	22.5	18.5	---	---		
11	2.0	1.5	10.0	5.5	12.0	9.5	21.5	19.0	---	---		
12	2.0	1.5	6.5	5.5	12.0	10.0	19.5	18.5	---	---		
13	2.0	1.5	7.0	5.0	11.0	8.5	19.5	18.0	---	---		
14	2.5	2.0	9.5	6.5	11.0	9.0	20.0	18.0	---	---		
15	3.0	2.0	8.5	7.0	12.0	10.0	19.0	18.5	---	---		
16	2.5	2.0	8.0	5.5	12.5	10.0	18.5	18.0	---	---		
17	2.5	2.0	7.5	6.5	13.0	11.5	19.0	17.5	---	---		
18	2.0	2.0	8.0	6.5	15.0	13.0	18.5	17.5	---	---		
19	2.0	2.0	8.5	7.0	15.0	13.5	17.5	17.0	---	---		
20	2.5	2.0	8.5	8.5	15.0	14.0	17.5	17.0	---	---		
21	2.5	2.0	8.0	6.5	15.5	14.0	17.5	16.5	---	---		
22	3.0	2.0	8.0	6.5	15.5	14.5	18.0	16.5	---	---		
23	4.0	2.5	10.0	7.5	16.5	15.0	17.5	17.0	---	---		
24	4.5	3.0	9.0	8.0	16.0	15.5	17.0	16.0	---	---		
25	3.5	3.5	10.5	5.5	---	---	16.0	15.5	---	---		
26	4.0	3.5	10.5	8.5	---	---	15.5	15.0	---	---		
27	4.0	3.5	11.0	9.5	15.5	---	15.0	14.0	---	---		
28	4.0	3.5	11.0	9.5	16.0	15.0	15.0	14.5	---	---		
29	4.0	3.0	11.5	10.0	16.0	15.5	15.0	14.5	---	---		
30	4.5	3.5	11.5	8.5	16.0	15.5	14.5	14.5	---	---		
31	---	---	13.0	11.0	---	---	14.5	14.0	---	---		
MONTH	4.5	1.0	13.0	3.5	16.5	8.5	22.5	13.5	---	---		
YEAR	22.5	0.5										

15081500 Staney Creek near Craig

LOCATION.--Lat 55°48'57", long 133°07'58", on Prince of Wales Island, in Tongass National Forest, temperature recorder at gaging station on left bank, 1.3 mi (2.1 km) upstream from mouth at Tuxekan Passage, and 23 mi (37 km) north of Craig.

DRAINAGE AREA.--51.6 mi² (133.6 km²)

PERIOD OF RECORD.--Chemical analyses: Water year 1971, 1974-75 (partial-record station).
Water temperatures: April 1966 to September 1975.

EXTREMES, 1974-75.--Water temperatures: Maximum, 20.0°C July 8; minimum, freezing point Nov. 21, 22.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 22.5°C June 18, 1969; minimum, freezing point on many days during most winter months.

REMARKS.--Water temperatures possibly affected by submergence by high tides.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
NOV. 06...	1600	336	--	--	--	--	--	--	--	--	--
APR. 02...	1850	281	2.1	140	0	6.9	.3	2.8	.7	15	0
JUNE 14...	1400	358	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV. 06...	--	--	--	--	--	--	--	--	--	--
APR. 02...	2.7	5.6	.0	.38	.04	.04	.06	.10	.48	.00
JUNE 14...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
NOV. 06...	--	--	--	--	--	42	7.0	6.0	--	--
APR. 02...	.00	40	29	18	6	52	6.1	2.5	30	19
JUNE 14...	--	--	--	--	--	19	7.0	7.0	--	--

15081500 Staney Creek near Craig--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.5	8.5	6.0	5.5	1.5	1.5	1.0	1.0	0.5	0.5	0.5	0.5
2	8.5	7.0	6.5	6.0	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.5
3	7.0	7.0	6.5	6.5	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
4	7.0	5.5	6.5	6.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
5	6.0	6.0	6.5	6.0	1.5	1.0	0.5	0.5	0.5	0.5	1.0	0.5
6	8.0	6.0	6.0	6.0	3.0	1.5	0.5	0.5	0.5	0.5	1.0	1.0
7	8.0	8.0	6.0	6.0	3.5	3.0	0.5	0.5	0.5	0.5	1.0	1.0
8	9.0	8.0	6.0	5.5	3.5	3.5	0.5	0.5	1.0	1.0	1.0	1.0
9	9.0	8.0	5.5	5.5	3.5	3.5	0.5	0.5	1.0	1.0	1.0	1.0
10	8.0	6.0	5.5	5.0	3.5	3.0	0.5	0.5	1.0	1.0	1.0	1.0
11	6.5	6.5	5.0	4.0	3.0	3.0	0.5	0.5	1.0	1.0	1.0	1.0
12	6.5	6.5	4.0	4.0	3.0	3.0	0.5	0.5	1.0	1.0	1.0	1.0
13	6.5	6.0	4.0	3.5	3.0	3.0	0.5	0.5	1.0	1.0	1.0	1.0
14	6.5	6.0	3.5	3.5	3.5	3.5	0.5	0.5	1.0	0.5	1.5	1.5
15	7.0	6.5	3.5	3.5	3.5	3.5	0.5	0.5	0.5	0.5	1.5	1.5
16	7.0	7.0	3.5	3.0	3.5	3.5	0.5	0.5	0.5	0.5	1.5	1.5
17	7.0	7.0	3.0	3.0	3.5	2.0	0.5	0.5	0.5	0.5	2.0	1.5
18	8.0	8.0	3.0	2.0	2.0	2.0	0.5	0.5	0.5	0.5	3.5	2.0
19	8.0	7.0	1.5	1.5	2.0	2.0	0.5	0.5	0.5	0.5	3.5	1.5
20	7.0	6.0	1.5	0.5	2.0	2.0	0.5	0.5	0.5	0.5	3.5	1.5
21	6.0	6.0	0.5	0.0	2.0	1.0	0.5	0.5	0.5	0.5	2.0	1.5
22	6.5	6.0	0.5	0.0	1.0	1.0	0.5	0.5	0.5	0.5	2.0	1.5
23	6.5	6.5	0.5	0.5	1.0	1.0	0.5	0.5	0.5	0.5	1.5	1.5
24	6.5	6.5	1.0	0.5	2.0	1.0	0.5	0.5	0.5	0.5	1.5	1.5
25	7.0	6.5	1.0	1.0	2.0	2.0	0.5	0.5	0.5	0.5	1.5	1.5
26	7.0	7.0	1.5	1.0	2.0	1.5	0.5	0.5	0.5	0.5	1.5	1.5
27	7.0	7.0	1.5	1.5	1.5	0.5	0.5	0.5	0.5	0.5	1.5	1.5
28	7.0	6.5	1.5	1.5	0.5	0.5	0.5	0.5	0.5	---	2.0	1.5
29	6.5	5.5	1.5	1.5	0.5	0.5	0.5	0.5	---	---	1.5	1.5
30	5.5	5.5	1.5	1.5	1.0	0.5	0.5	0.5	---	---	2.0	1.5
31	5.5	5.5	---	---	1.0	1.0	0.5	0.5	---	---	3.0	1.5
MONTH	9.0	5.5	6.5	0.0	3.5	0.5	1.0	0.5	1.0	0.5	3.5	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	3.0	2.0	5.5	4.5	10.0	8.0	14.5	12.0	11.5	10.5	11.5	11.0
2	4.0	3.0	5.5	4.5	8.0	6.5	13.5	12.0	13.5	10.5	11.5	11.0
3	3.5	1.5	7.0	4.5	6.5	6.5	12.0	11.5	14.0	10.5	11.0	10.0
4	3.5	1.5	7.0	4.5	6.5	6.5	12.0	11.0	14.0	13.0	10.0	9.5
5	3.5	1.5	5.0	4.5	6.5	6.5	14.0	11.0	14.0	13.5	9.5	9.5
6	3.5	2.0	5.0	4.0	6.5	6.0	16.5	11.0	14.0	13.5	9.5	9.5
7	3.5	2.0	6.0	4.5	6.5	6.0	19.0	13.5	15.5	11.5	9.0	9.0
8	4.0	2.0	6.5	6.0	6.5	6.5	20.0	15.0	15.5	13.5	8.5	8.5
9	4.0	2.0	8.0	4.5	6.5	6.5	19.5	15.5	13.5	12.0	8.5	8.5
10	4.0	3.5	7.0	4.5	7.0	6.5	18.0	15.0	12.0	11.0	9.0	8.0
11	3.5	3.0	6.0	5.5	7.0	7.0	16.0	14.0	11.5	11.0	9.5	8.0
12	3.5	3.0	6.0	5.0	7.0	7.0	16.0	14.0	15.5	11.5	11.0	9.5
13	4.5	3.5	8.0	5.5	7.0	7.0	14.5	13.5	16.5	13.0	12.0	11.0
14	5.0	3.0	8.0	6.0	7.0	7.0	14.5	13.5	16.5	14.5	12.0	10.5
15	5.0	3.5	8.0	7.0	8.0	7.0	14.5	13.5	16.5	14.5	10.5	9.5
16	6.0	4.0	7.0	5.5	9.5	8.0	14.0	13.5	14.5	14.0	9.5	8.5
17	6.0	4.0	6.5	6.0	11.5	8.0	13.5	13.5	14.5	13.5	9.0	7.0
18	4.0	3.5	6.5	6.0	13.5	9.0	15.0	13.5	14.5	13.5	9.5	8.5
19	3.5	3.0	6.5	5.5	13.5	9.5	15.0	13.5	14.0	13.5	10.5	9.5
20	4.0	1.5	8.5	6.5	13.0	9.5	13.5	11.5	13.5	13.5	11.0	10.5
21	3.5	3.0	6.5	6.0	9.5	9.0	13.0	12.0	14.0	12.0	11.0	10.0
22	4.0	3.5	6.5	6.0	12.0	8.0	14.5	12.0	13.5	11.5	10.5	10.0
23	4.0	3.5	7.0	6.0	13.5	9.0	14.5	13.5	14.5	12.0	10.5	10.0
24	5.5	3.5	9.5	6.0	13.5	10.0	13.5	13.0	14.5	14.0	10.5	10.5
25	5.5	3.5	10.0	8.0	10.5	9.5	13.0	11.5	14.0	13.5	10.0	10.0
26	4.0	3.5	10.0	8.0	12.0	9.5	11.5	11.5	15.5	11.5	10.0	9.0
27	4.0	3.5	7.0	7.0	12.0	9.5	11.5	11.0	15.5	13.5	10.0	9.0
28	4.0	4.0	7.0	7.0	14.5	11.0	13.0	11.0	14.5	14.0	9.0	9.0
29	5.0	4.0	7.0	6.0	14.5	11.5	13.0	11.5	13.5	12.0	9.0	9.0
30	5.0	4.0	10.0	5.5	14.5	11.0	12.0	12.0	14.0	10.5	9.0	9.0
31	---	---	10.0	7.0	---	---	12.0	11.5	12.0	11.0	---	---
MONTH	6.0	1.5	10.0	4.0	14.5	6.0	20.0	11.0	16.5	10.5	12.0	7.0
YEAR	20.0	0.0										

15085100 Old Tom Creek near Kasaan

LOCATION.--Lat 55°23'44", long 132°24'25", in SW¼NW¼ sec.6, T.75 S., R.86 E., on Prince of Wales Island, in Tongass National Forest, temperature recorder at gaging station on left bank, 1,000 ft (305 m) upstream from mouth at Skowl Arm of Kasaan Bay, 0.4 mi (0.6 km) downstream from unnamed tributary, and 10 mi (16 km) south of Kasaan.

DRAINAGE AREA.--5.90 mi^2 (15.28 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1956, 1957, 1959, 1967, and 1974-75 (partial-record station). Water temperatures: October 1964 to September 1975.

EXTREMES, 1974-75.--Water temperatures: Maximum and minimum not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 17.0°C July 30, 1971; minimum, freezing point on several days during winter months of most years.

REMARKS.--No temperature records Feb. 3 to June 20, June 27 to Aug. 23, and Sept. 10-30 due to recorder manfunctions.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
JAN. 23...	1600	120	30	6.8	.0
APR. 04...	1755	22	--	7.2	2.0
AUG. 24...	1340	5.4	--	7.0	8.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.0	10.0	7.0	7.0	4.0	4.0	2.0	2.0	1.0	1.0		
2	11.0	9.5	8.0	7.0	4.0	4.0	2.0	2.0	1.0	1.0		
3	9.0	9.0	8.0	8.0	4.0	4.0	2.0	2.0	---	---		
4	9.0	8.5	8.0	8.0	4.0	4.0	2.0	1.0	---	---		
5	8.5	8.5	8.0	7.0	4.0	4.0	1.0	1.0	---	---		
6	9.5	8.5	7.0	7.0	4.5	4.5	1.0	1.0	---	---		
7	9.5	9.0	7.0	7.0	4.5	4.5	1.0	1.0	---	---		
8	10.0	9.5	7.0	6.0	4.5	4.5	1.0	1.0	---	---		
9	10.0	9.5	6.0	6.0	4.5	4.5	1.0	1.0	---	---		
10	9.5	8.5	---	---	4.5	4.5	1.0	1.0	---	---		
11	8.5	8.5	6.0	---	4.5	4.5	1.0	1.0	---	---		
12	8.5	8.5	6.0	5.5	4.5	4.5	1.0	1.0	---	---		
13	8.5	8.5	5.5	5.5	4.0	4.0	1.0	1.0	---	---		
14	8.5	8.5	5.5	5.5	3.5	3.5	1.0	1.0	---	---		
15	8.5	8.5	5.5	5.5	3.5	3.5	1.0	1.0	---	---		
16	8.5	8.5	5.5	5.0	3.5	3.5	1.0	1.0	---	---		
17	8.5	8.5	5.0	4.0	3.5	3.0	1.0	1.0	---	---		
18	9.0	8.5	4.5	4.0	3.0	3.0	1.0	1.0	---	---		
19	9.0	8.5	4.5	4.5	3.0	3.0	1.0	1.0	---	---		
20	8.5	8.0	4.5	4.0	3.0	3.0	1.5	1.0	---	---		
21	8.0	8.0	4.0	3.5	3.0	3.0	1.5	1.5	---	---		
22	8.5	8.0	3.5	2.0	3.0	3.0	1.5	1.5	---	---		
23	8.5	8.5	3.5	3.0	3.0	3.0	1.5	---	---	---		
24	8.5	8.5	3.5	3.5	3.0	3.0	1.5	1.5	---	---		
25	8.5	8.5	3.5	3.5	3.0	3.0	1.5	1.5	---	---		
26	8.5	8.5	3.5	3.5	3.0	3.0	1.5	1.5	---	---		
27	8.5	8.5	4.0	3.5	3.0	2.0	1.5	1.5	---	---		
28	8.5	7.0	4.0	4.0	2.0	2.0	1.5	1.5	---	---		
29	7.0	7.0	4.0	4.0	1.5	2.0	1.5	1.5	---	---		
30	7.0	7.0	4.0	4.0	2.0	2.0	1.5	1.0	---	---		
31	7.0	7.0	---	---	2.0	2.0	1.0	1.0	---	---		
MONTH	11.0	7.0	8.0	2.0	4.5	2.0	2.0	1.0	---	---		

15085100 Old Tom Creek near Kasaan--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975---Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1					---	---			---	---	7.0	7.0
2					---	---			---	---	7.0	7.0
3					---	---			---	---	7.0	7.0
4					---	---			---	---	7.0	6.5
5					---	---			---	---	6.5	6.5
6					---	---			---	---	6.5	6.5
7					---	---			---	---	6.5	6.5
8					---	---			---	---	6.5	6.0
9					---	---			---	---	7.0	6.0
10					---	---			---	---	---	---
11					---	---			---	---	---	---
12					---	---			---	---	---	---
13					---	---			---	---	---	---
14					---	---			---	---	---	---
15					---	---			---	---	---	---
16					---	---			---	---	---	---
17					---	---			---	---	---	---
18					---	---			---	---	---	---
19					---	---			---	---	---	---
20					5.5	5.5			---	---	---	---
21					5.5	5.5			---	---	---	---
22					7.0	5.5			---	---	---	---
23					8.0	6.0			---	---	---	---
24					8.0	6.5			8.0	8.0	---	---
25					8.0	6.5			7.0	7.0	---	---
26					7.0	6.5			8.5	7.0	---	---
27					---	---			8.0	7.0	---	---
28					---	---			8.5	7.0	---	---
29					---	---			8.5	7.0	---	---
30					---	---			8.5	7.0	---	---
31					---	---			7.0	7.0	---	---
MONTH					---	---			---	---	---	---

15086600 Big Creek near Point Baker

LOCATION.--Lat 56°07'54", long 133°08'36", on Prince of Wales Island, in Tongass National Forest, temperature recorder at gaging station on left bank, 1 mi (1.6 km) upstream from mouth at Whale Passage, 2.5 mi (4.0 km) downstream from small unnamed lake, and 24 mi (39 km) southeast of Point Baker.

DRAINAGE AREA.--11.2 mi² (29.0 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1967, 1969, 1971 and 1974-75 (partial-record station). Water temperatures: August 1963 to September 1975.

EXTREMES, 1974-75.--Water temperatures: Maximum, 21.5°C July 8; minimum, not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 23.5°C June 13, 1969; minimum, freezing point on many days during winter months of most years.

REMARKS.--No temperature records Oct. 18 to Nov. 4, Nov. 9 to Apr. 3 due to recorder malfunctions.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV. 05...	1100	186	184	7.2	7.5
JAN. 21...	1300	207	101	7.5	2.0
APR. 04...	1000	64	--	7.2	2.0
AUG. 20...	1000	23	140	7.9	14.5

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.0	9.5	---	---								
2	10.0	9.5	---	---								
3	9.5	9.0	---	---								
4	9.0	9.0	---	---								
5	9.0	8.5	8.0	7.0								
6	9.5	8.5	8.5	8.0								
7	9.5	9.0	8.0	7.0								
8	9.5	9.5	7.0	7.0								
9	9.5	9.0	---	---								
10	9.0	9.0	---	---								
11	9.0	8.5	---	---								
12	9.0	8.5	---	---								
13	8.5	8.5	---	---								
14	8.5	8.5	---	---								
15	8.5	8.5	---	---								
16	8.5	8.5	---	---								
17	8.5	8.0	---	---								
18	---	---	---	---								
19	---	---	---	---								
20	---	---	---	---								
21	---	---	---	---								
22	---	---	---	---								
23	---	---	---	---								
24	---	---	---	---								
25	---	---	---	---								
26	---	---	---	---								
27	---	---	---	---								
28	---	---	---	---								
29	---	---	---	---								
30	---	---	---	---								
31	---	---	---	---								
MONTH	---	---	---	---								

15086600 Big Creek near Point Baker--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	4.0	3.5	11.0	10.5	15.5	12.0	11.5	11.0	---	13.5
2	---	---	4.5	3.5	11.0	9.0	14.5	11.5	13.5	11.0	---	13.5
3	---	---	6.0	3.5	9.0	8.5	12.5	11.5	14.5	10.5	13.0	10.5
4	4.0	1.5	4.5	4.0	10.0	8.5	13.5	12.0	14.0	12.0	14.0	9.5
5	3.5	1.5	5.5	3.5	9.0	8.5	15.0	12.0	14.5	12.0	14.5	11.5
6	2.0	1.5	6.0	4.0	8.5	8.0	18.0	11.5	13.0	11.5	14.5	10.0
7	3.5	1.5	6.5	4.0	9.5	8.0	21.0	14.0	15.5	10.5	---	12.0
8	4.0	2.0	5.0	4.5	8.5	8.5	21.5	15.5	13.5	12.0	---	10.0
9	4.0	1.5	7.0	4.0	8.5	8.0	20.0	15.5	12.0	11.5	---	9.0
10	3.0	2.0	6.5	5.0	9.0	8.0	20.0	16.0	11.5	11.0	---	11.0
11	2.5	2.0	5.5	5.5	9.5	8.0	19.5	15.0	13.0	11.0	---	10.0
12	3.0	2.0	6.0	5.5	8.5	7.0	18.0	14.5	14.5	11.5	---	13.5
13	4.0	2.0	6.5	5.5	8.0	7.0	16.0	14.0	16.5	12.0	---	---
14	4.5	2.0	7.0	5.5	8.5	8.0	17.0	14.0	17.0	13.5	---	13.5
15	4.5	2.0	6.5	6.0	9.0	8.0	15.5	14.0	15.5	14.0	14.0	10.5
16	4.5	2.5	6.5	6.0	11.0	8.0	14.5	13.5	15.5	13.5	---	8.0
17	3.5	2.5	6.0	5.5	13.5	8.0	14.5	13.0	14.5	12.0	---	10.0
18	3.0	2.0	7.0	5.5	16.0	9.5	15.5	13.5	14.0	11.5	---	10.5
19	3.5	2.0	7.5	5.5	15.0	11.5	14.5	11.0	---	---	---	13.5
20	4.0	2.0	7.0	6.5	13.0	10.5	13.0	11.0	---	---	---	---
21	3.0	2.5	7.0	6.5	11.0	10.0	13.5	12.0	---	---	---	10.0
22	3.5	2.5	7.5	6.5	16.0	9.0	15.5	12.0	---	---	---	9.5
23	3.5	3.0	8.5	6.0	16.5	11.0	14.0	12.0	---	13.5	---	10.0
24	5.0	2.5	10.5	6.0	14.0	12.0	12.0	12.0	---	---	---	---
25	4.0	2.5	11.0	7.0	14.0	11.5	12.5	11.5	---	---	---	11.5
26	4.5	3.0	9.0	8.0	14.5	12.0	12.0	11.0	---	12.5	---	10.5
27	4.0	3.0	9.0	8.0	13.5	11.5	11.5	11.0	---	14.0	---	12.5
28	3.5	3.0	9.5	8.0	14.0	12.0	13.0	11.0	---	---	15.0	13.5
29	4.0	3.0	10.0	8.0	14.5	12.0	12.5	11.5	---	10.0	13.5	10.5
30	5.5	3.0	12.5	7.5	16.5	12.0	12.0	11.5	---	12.5	12.5	10.5
31	---	---	13.5	8.5	---	---	11.5	11.0	---	---	---	---
MONTH	5.5	1.5	13.5	3.5	16.5	7.0	21.5	11.0	---	---	---	8.0

15093400 Sashin Creek near Big Port Walter

LOCATION.--Lat 56°22'32", long 134°39'40", in NW¼SW¼ sec.28, T.63 S., R.69 E., on Baranof Island, in Tongass National Forest, temperature recorder at gaging station on right bank, 0.7 mi (1.1 km) upstream from mouth at Little Port Walter, 1 mi (1.6 km) downstream from Sashin Lake, and 2.6 mi (4.2 km) east of Big Port Walter.

DRAINAGE AREA.--3.72 mi² (9.63 km).

PERIOD OF RECORD.--Chemical analyses: Water years 1972 and 1975 (partial-record station).
Water temperatures: October 1966 to September 1973, October 1974 to current year.

EXTREMES, 1974-75.--Water temperatures: Maximum, 12.0°C Aug. 24-26, 29-30; minimum, freezing point on several days during the winter.

EXTREMES.--
Period of record:
Water temperature: Maximum, 17.0°C July 14, 1968; minimum, freezing point on several days during many winters.

REMARKS.--No temperature records Oct. 1-4, Feb. 15 to Mar. 8, July 6-22, and Aug. 31 to Sept. 30 due to recorder malfunctions.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY					
05...	2000	83	20	6.4	1.0
JULY					
22...	1030	50	36	6.9	9.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	6.0	6.0	4.0	4.0	2.0	2.0	1.0	1.0	---	---
2	---	---	6.5	6.0	4.0	4.0	2.0	1.5	1.0	1.0	---	---
3	---	---	6.5	6.5	4.0	4.0	2.0	2.0	1.0	1.0	---	---
4	---	---	6.5	6.5	4.0	4.0	2.0	1.5	1.0	1.0	---	---
5	7.0	7.0	6.0	5.0	4.0	3.5	2.0	1.5	1.0	1.0	---	---
6	8.0	8.0	5.0	5.0	4.0	4.0	1.5	1.5	1.5	1.0	---	---
7	8.0	8.0	5.0	5.0	4.0	4.0	1.5	1.0	1.0	1.0	---	---
8	8.0	8.0	5.0	5.0	4.0	4.0	1.0	1.0	1.0	1.0	---	---
9	8.0	8.0	5.0	5.0	4.0	4.0	1.0	1.0	1.0	0.5	0.0	0.0
10	8.0	8.0	5.0	5.0	4.0	4.0	1.0	1.0	0.5	0.0	0.0	0.0
11	7.0	6.5	5.0	4.5	4.0	4.0	1.0	1.0	0.0	0.0	0.0	0.0
12	7.0	7.0	4.5	4.5	4.0	4.0	1.0	1.0	0.0	0.0	0.0	0.0
13	7.0	7.0	4.5	4.5	4.0	4.0	1.0	1.0	0.0	0.0	0.0	0.0
14	7.0	7.0	4.5	4.5	4.0	4.0	1.0	1.0	0.5	0.0	0.0	0.0
15	7.0	7.0	4.5	4.5	4.0	4.0	1.0	1.0	---	---	0.0	0.0
16	7.0	7.0	4.5	4.5	4.0	3.5	1.0	1.0	---	---	0.0	0.0
17	7.0	7.0	4.5	4.5	3.5	2.0	1.0	1.0	---	---	0.0	0.0
18	7.0	7.0	4.5	4.5	3.0	3.0	1.0	1.0	---	---	0.0	0.0
19	7.0	6.5	4.5	4.0	3.0	3.0	1.0	1.0	---	---	0.0	0.0
20	6.5	6.5	5.0	4.0	3.0	3.0	1.0	1.0	---	---	0.0	0.0
21	7.0	6.5	5.0	5.0	3.0	3.0	1.0	1.0	---	---	0.0	0.0
22	7.0	7.0	5.0	4.0	3.0	3.0	1.0	1.0	---	---	0.0	0.0
23	6.5	6.5	4.5	4.5	3.0	3.0	1.0	1.0	---	---	0.0	0.0
24	6.5	6.5	5.0	4.5	3.0	3.0	1.0	1.0	---	---	0.0	0.0
25	6.5	6.5	5.0	3.5	3.5	3.0	1.0	1.0	---	---	0.0	0.0
26	6.5	6.5	4.5	4.0	3.0	3.0	1.0	1.0	---	---	0.0	0.0
27	6.5	6.5	4.5	4.5	3.0	3.0	1.0	1.0	---	---	0.0	0.0
28	6.5	6.5	4.5	4.5	3.0	3.0	1.0	1.0	---	---	0.0	0.0
29	6.5	5.5	4.5	4.5	3.0	2.0	1.0	1.0	---	---	0.0	0.0
30	6.0	5.5	4.0	4.0	2.0	1.5	1.0	1.0	---	---	0.0	0.0
31	6.0	6.0	---	---	2.0	1.5	1.0	1.0	---	---	0.0	0.0
MONTH	8.0	5.5	6.5	3.5	4.0	1.5	2.0	1.0	---	---	---	---

15093400 Sashin Creek near Big Port Walter--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	1.0	1.0	1.5	1.5	1.5	1.0	8.0	8.0		
2	0.0	0.0	1.0	1.0	1.5	1.5	2.0	1.0	8.0	8.0		
3	0.0	0.0	1.0	0.5	1.5	1.5	1.5	1.0	8.0	8.0		
4	0.0	0.0	0.5	0.5	1.5	1.5	1.5	1.0	8.0	8.0		
5	0.0	0.0	0.5	0.5	1.5	1.5	1.5	1.0	8.0	8.0		
6	0.0	0.0	0.5	0.5	1.5	1.5	---	---	8.0	8.0		
7	0.5	0.0	0.5	0.5	1.5	1.5	---	---	8.5	8.0		
8	0.5	0.5	0.5	0.5	1.5	1.5	---	---	8.5	8.5		
9	1.0	0.5	1.0	0.5	1.5	1.5	---	---	8.5	8.5		
10	0.5	0.5	1.0	0.5	1.5	1.5	---	---	8.5	8.5		
11	0.5	0.5	1.0	1.0	1.5	1.5	---	---	8.5	8.5		
12	0.5	0.5	1.0	1.0	1.5	1.5	---	---	8.5	8.5		
13	1.0	0.5	1.5	1.0	1.5	1.0	---	---	10.0	8.5		
14	1.0	0.5	1.5	1.5	1.0	1.0	---	---	11.5	10.0		
15	1.0	0.5	1.5	1.5	1.5	1.0	---	---	11.5	11.5		
16	1.0	0.5	1.5	1.5	1.5	1.0	---	---	11.5	11.5		
17	1.0	1.0	1.5	1.0	1.5	1.0	---	---	11.5	11.5		
18	1.0	1.0	2.0	1.5	1.5	1.0	---	---	11.5	11.0		
19	1.0	0.5	2.0	1.5	1.0	0.5	---	---	11.5	9.0		
20	1.0	0.5	1.5	1.5	1.0	0.5	---	---	11.0	10.5		
21	1.0	0.5	1.5	1.5	1.0	0.5	---	---	11.0	10.5		
22	0.5	0.5	1.5	1.5	1.5	0.5	---	---	11.5	9.0		
23	0.5	0.5	2.0	1.5	1.5	0.5	9.0	9.0	12.0	9.5		
24	1.0	0.5	2.0	1.5	1.5	1.0	9.0	9.0	12.0	9.0		
25	1.0	1.0	2.0	1.0	1.0	1.0	9.0	9.0	12.0	9.0		
26	1.0	1.0	1.5	1.5	1.5	1.0	9.0	9.0	12.0	9.5		
27	1.0	0.5	1.5	1.5	1.5	1.0	9.0	8.5	11.5	10.0		
28	1.0	0.5	1.5	1.5	1.5	1.0	8.5	8.0	11.5	9.0		
29	1.0	1.0	1.5	1.5	1.5	1.0	8.0	8.0	12.0	9.0		
30	1.0	1.0	2.0	1.5	1.5	1.0	8.0	8.0	12.0	9.5		
31	---	---	1.5	1.5	---	---	8.0	8.0	11.5	---		
MONTH	1.0	0.0	2.0	0.5	1.5	0.5	---	---	12.0	8.0		
YEAR	12.0	0.0										

15102350 North Arm Creek near Angoon

LOCATION.--Lat 57°23'48", long 134°19'24", in SW¼SW¼ sec.3, T.52 S., R.69 E., on Admiralty Island, in Tongass National Forest, temperature recorder at gaging station, 1,300 ft (400 m) above mouth at North Arm Hood Bay, and 12 mi (19 km) southeast of Angoon.

DRAINAGE AREA.--8.64 mi² (22.38 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1972 and 1975 (partial-record station).
Water temperatures: October 1971 to September 1975, fragmentary.

EXTREMES, 1974-75.--Water temperatures: Maximum and minimum not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum recorded, 25.5°C June 16 and July 10, 1973; minimum recorded, 0.5°C Apr. 2-3, 1973.

REMARKS.--No temperature records Dec. 3 to July 7, and July 24 to Sept. 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JULY 17...	1300	45	1.5	70	0	11	2.6	.8	.0	43

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
JULY 17...	0	4.4	2.4	.0	.04	.04	.00	.16	.16	.20

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JULY 17...	.00	.00	37	44	38	3	6.7	7.5	15	14

15102350 North Arm Creek near Angoon--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.0	6.5	6.5	6.0	2.5	2.0						
2	6.5	6.0	7.5	6.0	2.5	2.5						
3	6.5	5.5	8.0	7.0	---	---						
4	6.5	6.0	7.0	6.5	---	---						
5	8.5	6.5	6.5	5.5	---	---						
6	8.5	8.0	5.5	5.5	---	---						
7	9.0	8.0	5.5	5.5	---	---						
8	8.0	6.0	5.5	5.0	---	---						
9	7.5	6.5	5.5	5.0	---	---						
10	7.5	6.0	5.0	5.0	---	---						
11	7.0	6.5	5.0	4.0	---	---						
12	7.0	6.5	4.5	4.0	---	---						
13	7.0	6.5	4.0	3.5	---	---						
14	---	7.0	4.5	4.0	---	---						
15	7.5	7.0	5.0	4.0	---	---						
16	7.5	7.0	4.0	3.0	---	---						
17	7.0	6.5	3.0	3.0	---	---						
18	6.5	6.5	3.0	3.0	---	---						
19	6.5	6.0	3.0	2.5	---	---						
20	6.0	5.5	2.5	2.0	---	---						
21	6.5	6.0	2.0	2.0	---	---						
22	7.5	6.0	2.0	1.0	---	---						
23	7.0	6.5	1.5	1.0	---	---						
24	7.0	7.0	2.5	1.5	---	---						
25	7.5	7.0	2.5	2.0	---	---						
26	8.0	8.0	2.5	1.5	---	---						
27	8.0	7.0	2.5	2.5	---	---						
28	7.0	7.0	2.5	2.5	---	---						
29	7.0	6.0	3.0	2.5	---	---						
30	6.0	6.0	2.5	2.5	---	---						
31	6.0	6.0	---	---	---	---						
MONTH	9.0	5.5	8.0	1.0	---	---						

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---				
2							---	---				
3							---	---				
4							---	---				
5							---	---				
6							---	---				
7							---	7.0				
8							8.5	7.0				
9							7.5	7.0				
10							9.0	7.0				
11							8.5	7.5				
12							9.0	8.0				
13							9.0	7.5				
14							9.0	7.5				
15							8.5	7.5				
16							8.0	7.5				
17							8.5	7.5				
18							8.5	7.0				
19							8.5	7.5				
20							8.5	8.0				
21							8.5	7.5				
22							8.5	7.5				
23							8.5	7.5				
24							---	---				
25							---	---				
26							---	---				
27							---	---				
28							---	---				
29							---	---				
30							---	---				
31							---	---				
MONTH							---	---				

15106920 Kadashan River above Hook Creek near Tenakee

LOCATION.--Lat 57°39'46", long 135°11'06", in NW¼SE¼ sec.34, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, temperature recorder at gaging station on left bank, 0.6 mi (1.0 km) upstream from Hook Creek, 3.5 mi (5.6 km) upstream from mouth at Kadashan Bay, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--10.2 mi^2 (26.4 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1967-72 and 1975 (partial-record station).
Water temperatures: October 1967 to September 1975.
Sediment records: Water years 1968-75 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum and minimum not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 12.0°C Aug. 22, 1968, Aug. 18-21, 1972, and Aug. 18, 1974; minimum, freezing point on many days during most winters.

REMARKS.--No temperature records Oct. 1 to May 8, June 3-6, and Aug. 27 to Sept. 30 due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
DEC. 05...	1137	130	--	--	--	--	--	--	69	7.2	3.0
JULY 23...	1230	33	--	--	--	--	--	--	56	7.2	8.5
AUG. 18...	1200	18	.11	.03	.03	.06	.17	.01	61	--	10.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	3.5	2.5	5.5	5.0	9.0	7.5		
2			---	---	4.0	2.5	6.0	5.0	9.0	7.5		
3			---	---	---	---	6.5	5.5	10.0	7.0		
4			---	---	---	---	6.5	5.5	10.5	8.5		
5			---	---	---	---	6.5	5.0	10.5	9.0		
6			---	---	---	---	8.5	5.0	10.0	9.0		
7			---	---	4.0	3.0	9.0	6.0	9.5	7.5		
8			---	---	4.0	3.0	7.5	6.0	9.5	8.0		
9			3.5	1.0	4.0	3.0	9.0	6.0	9.0	8.0		
10			2.5	1.0	4.0	2.0	9.5	7.0	9.0	8.0		
11			2.0	1.0	4.5	3.0	8.5	7.0	9.0	8.0		
12			3.0	1.5	4.0	3.0	8.0	6.5	10.0	8.5		
13			3.0	1.5	4.5	3.0	8.0	7.0	11.0	9.0		
14			3.5	1.5	4.0	3.0	8.5	7.0	11.0	9.0		
15			3.0	1.5	4.5	3.5	8.5	7.5	11.5	10.0		
16			3.0	1.5	6.0	3.0	8.0	7.5	11.0	10.0		
17			2.5	1.5	6.0	3.5	9.0	7.0	11.0	10.0		
18			4.0	1.5	6.0	3.5	9.0	7.0	10.5	9.5		
19			4.0	2.0	5.0	3.5	8.5	8.0	9.5	9.0		
20			3.0	2.0	5.0	3.0	8.5	7.5	10.0	9.0		
21			2.5	2.0	5.0	3.5	8.5	7.5	9.5	8.5		
22			3.5	2.0	6.5	3.5	9.5	7.0	9.5	8.0		
23			4.0	1.5	6.0	3.5	9.0	8.5	9.5	8.0		
24			5.0	2.0	5.0	4.0	8.5	8.0	9.5	8.0		
25			5.0	2.0	5.5	4.0	8.5	7.5	9.5	8.0		
26			4.0	2.0	6.0	4.0	8.0	7.5	9.5	8.0		
27			3.5	2.0	5.0	4.0	9.0	7.5	---	---		
28			3.0	2.0	6.5	4.5	9.0	8.0	---	---		
29			4.5	2.0	6.5	4.0	9.0	8.0	---	---		
30			5.0	2.5	6.0	4.0	8.5	8.0	---	---		
31			5.0	2.5	---	---	8.5	8.0	---	---		
MONTH			---	---	6.5	2.0	9.5	5.0	11.5	7.0		

15106920 Kadashan River above Hook Creek near Tenakee--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
11	312	11	12
12	228	4	3.0
13	145	4	2.0
14	534	13	13
15	576	62	134
16	499	21	29
17	562	17	21
18	285	7	4.0
19	255	7	4.0
20	185	4	2.0
21	439	19	20

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
OCT.									
15...	1525	847	178	407	27	47	70	92	100
15...	1745	972	162	425	34	52	75	95	100

15106940 Hook Creek above Tributary near Tenakee

LOCATION.--Lat 57°40'39", long 135°07'42", in NW¼SE¼ sec.25, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, temperature recorder at gaging station on right bank, 0.5 mi (0.8 km) upstream from unnamed tributary, 2.5 mi (4.0 km) upstream from confluence with Kadashan River, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--4.48 mi^2 (11.6 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1968-75 (partial-record station).
Water temperatures: August 1967 to September 1975.
Sediment records: Water years 1968-74 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 10.5°C Sept. 13, 14; minimum, not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 13°C Aug. 16, 1974; minimum, freezing point on many days during winter months of most years.

REMARKS.--No temperature records Jan. 4 to Apr. 10 due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAR. 10...	1200	3.9	64	7.0	.0
SEP. 10...	1130	20	59	7.1	8.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.5	6.0	5.5	5.5	2.0	2.0	1.0	1.0				
2	6.0	5.5	6.5	5.5	2.0	1.5	1.0	1.0				
3	5.5	4.5	6.5	6.0	1.5	1.5	1.0	1.0				
4	4.5	4.5	6.0	6.0	1.5	1.5	---	---				
5	5.5	4.5	6.0	5.5	1.5	1.5	---	---				
6	6.5	5.5	5.5	5.5	1.5	1.0	---	---				
7	6.5	6.5	5.5	5.5	1.5	1.5	---	---				
8	6.5	6.0	5.5	5.0	2.0	1.5	---	---				
9	6.0	5.0	5.0	4.5	2.0	2.0	---	---				
10	6.0	5.5	4.5	4.5	2.0	2.0	---	---				
11	5.5	5.5	4.5	4.5	2.0	2.0	---	---				
12	6.0	5.5	4.5	4.0	2.0	2.0	---	---				
13	6.0	6.0	4.0	4.0	3.0	2.5	---	---				
14	6.5	6.0	4.0	4.0	2.5	2.0	---	---				
15	6.5	6.5	4.0	3.5	2.0	1.5	---	---				
16	6.5	6.5	3.5	3.0	1.5	1.5	---	---				
17	6.5	6.5	3.0	3.0	1.5	1.5	---	---				
18	6.5	6.0	3.0	3.0	1.5	1.5	---	---				
19	6.0	5.5	3.0	2.0	1.5	1.5	---	---				
20	5.5	5.5	2.0	2.0	1.5	1.5	---	---				
21	6.0	5.5	2.0	2.0	1.5	1.5	---	---				
22	6.5	6.0	2.0	2.0	1.5	1.5	---	---				
23	6.5	6.5	2.0	2.0	1.5	1.5	---	---				
24	6.5	6.5	2.0	2.0	2.0	1.5	---	---				
25	6.0	6.0	2.0	2.0	2.0	2.0	---	---				
26	6.0	6.0	2.0	2.0	2.0	1.5	---	---				
27	6.0	5.5	2.0	2.0	1.5	1.5	---	---				
28	5.5	5.5	1.5	1.5	1.5	1.0	---	---				
29	5.5	5.5	2.0	1.5	1.0	1.0	---	---				
30	5.5	5.5	2.0	2.0	1.0	1.0	---	---				
31	5.5	5.5	---	---	1.0	1.0	---	---				
MONTH	6.5	4.5	6.5	1.5	3.0	1.0	---	---				

15106940 Hook Creek above Tributary near Tenakee--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	1.5	0.5	1.5	1.5	4.0	4.0	8.0	6.5	8.0	8.0
2	---	---	1.5	0.5	1.5	1.5	3.5	3.5	8.0	6.5	8.0	8.0
3	---	---	2.0	0.5	1.5	1.5	4.5	3.5	8.5	6.5	8.0	8.0
4	---	---	1.5	0.5	2.0	1.5	4.5	4.0	9.0	8.0	8.0	8.0
5	---	---	2.0	1.0	2.0	1.5	5.0	4.0	9.0	8.0	8.0	8.0
6	---	---	2.0	1.5	2.0	2.0	5.5	3.5	9.0	8.0	8.5	8.0
7	---	---	2.0	1.5	3.0	2.0	5.5	4.5	8.0	6.5	8.5	8.0
8	---	---	2.0	1.0	3.5	2.0	5.5	5.0	8.0	6.5	8.0	7.0
9	---	---	2.0	0.5	3.0	2.0	6.5	5.0	8.0	7.0	8.0	7.0
10	---	---	2.0	0.5	3.0	2.0	6.5	5.5	7.0	6.5	9.0	8.0
11	1.0	1.0	2.0	1.0	3.0	2.0	6.0	5.5	6.5	6.5	9.5	9.0
12	1.0	1.0	2.0	1.5	3.0	3.0	6.0	5.5	7.0	6.5	10.0	9.5
13	1.5	1.0	2.0	1.5	3.0	3.0	5.5	5.5	8.5	7.0	10.5	10.0
14	1.5	1.5	3.0	1.5	3.0	3.0	6.5	5.5	8.5	7.0	10.5	9.5
15	1.5	1.5	2.0	1.5	3.0	3.0	6.5	6.0	9.0	8.0	9.5	9.0
16	1.5	1.5	2.0	1.5	4.5	3.0	6.0	5.5	9.0	8.0	9.0	8.5
17	1.5	1.0	2.0	1.5	4.0	3.0	7.0	6.0	9.0	8.5	9.0	9.0
18	1.5	1.0	2.0	1.5	4.0	2.0	7.0	6.0	8.5	8.0	9.5	9.0
19	1.5	1.0	2.0	1.5	3.5	3.0	6.5	6.5	8.0	8.0	10.0	9.5
20	2.0	1.0	2.0	1.5	3.5	3.0	7.0	6.0	8.0	8.0	10.0	9.0
21	2.0	1.5	2.0	1.5	4.0	3.0	7.0	6.0	8.0	7.0	9.0	8.5
22	2.0	2.0	2.0	1.5	4.5	3.0	7.0	6.5	8.0	6.5	9.0	8.5
23	2.0	1.5	3.0	1.5	4.5	3.0	8.0	6.5	8.0	8.0	9.0	7.0
24	2.0	1.5	3.5	1.5	4.0	3.5	7.0	6.5	8.5	8.0	9.0	8.0
25	1.5	1.5	3.0	1.5	4.0	3.5	7.0	6.5	9.0	8.0	9.0	9.0
26	1.5	1.0	1.5	1.5	4.0	3.5	7.0	6.5	9.0	7.0	9.0	9.0
27	2.0	1.0	1.5	1.5	4.0	4.0	7.0	6.5	9.0	7.0	9.0	9.0
28	1.5	1.0	1.5	1.5	4.0	4.0	7.0	6.5	8.0	8.0	9.0	9.0
29	2.0	1.0	2.0	1.5	4.0	4.0	8.0	6.5	9.0	7.0	9.0	9.0
30	2.0	1.0	2.0	1.5	4.0	4.0	8.0	7.0	9.0	7.0	9.5	9.0
31	---	---	3.0	1.5	---	---	7.0	6.5	8.0	7.0	---	---
MONTH	---	---	3.5	0.5	4.5	1.5	8.0	3.5	9.0	6.5	10.5	7.0

15106960 Hook Creek near Tenakee

LOCATION.--Lat 57°40'22", long 135°10'40", in SE¼SE¼ sec.27, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, temperature recorder at gaging station on right bank, 1 mi (1.6 km) upstream from confluence with Kadashan River, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--8.00 mi² (20.72 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1968-75 (partial-record station).
Water temperatures: August 1966 to September 1975.
Sediment records: Water years 1968-74 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 11°C Aug. 15; minimum, freezing point on many days during winter months.

EXTREMES.--
Period of record:
Water temperatures: Maximum recorded, 12°C on several days during July 1967 and August 1967, 1973, and 1974; minimum, freezing point on many days during winter months of most years.

REMARKS.--No temperature records Oct. 1-9, Jan. 11-21, Jan. 29 to Feb. 2, and Apr. 13 to May 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
JULY											
23...	1340	19	--	--	--	--	--	--	--	--	--
23...	1400	19	3.1	40	0	12	.9	1.8	.3	43	0
SEP.											
10...	1220	28	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JULY										
23...	--	--	--	--	--	--	--	--	--	--
23...	2.2	1.5	.1	.03	.03	.00	.06	.06	.09	.00
SEP.										
10...	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JULY										
23...	--	--	--	--	--	--	7.2	8.5	--	--
23...	.00	41	43	34	0	72	7.2	8.5	17	4.3
SEP.										
10...	--	--	--	--	--	65	7.2	8.0	--	--

15106960 Hook Creek near Tenakee--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	6.5	5.0	2.5	2.0	1.5	0.5	---	---	0.5	0.0
2	---	---	7.5	5.0	2.5	2.0	1.5	0.5	0.0	---	1.0	0.0
3	---	---	7.0	6.5	2.5	2.0	0.5	0.0	0.0	0.0	0.5	0.0
4	---	---	6.0	5.5	2.0	1.5	0.5	0.0	0.0	0.0	0.5	0.0
5	---	---	5.5	5.0	2.5	2.0	0.0	0.0	0.0	0.0	1.0	0.5
6	---	---	5.5	5.0	3.0	2.5	0.0	0.0	0.0	0.0	1.5	0.5
7	---	---	5.0	5.0	3.0	2.5	0.0	0.0	0.0	0.0	0.5	0.0
8	---	---	5.0	5.0	3.0	3.0	0.0	0.0	0.0	0.0	0.5	0.0
9	---	---	5.0	4.5	3.0	3.0	0.0	0.0	0.0	0.0	1.5	0.5
10	6.5	5.5	4.5	4.5	3.0	2.5	0.0	0.0	0.0	0.0	0.5	0.0
11	6.5	5.5	4.5	4.0	3.0	2.5	0.0	---	0.0	0.0	1.5	0.5
12	6.5	6.0	4.5	4.0	3.0	2.5	---	---	0.0	0.0	2.0	1.0
13	6.5	5.5	4.0	3.0	2.5	2.5	---	---	0.0	0.0	1.5	1.0
14	7.0	6.5	4.5	4.0	2.5	2.0	---	---	---	0.0	1.5	1.0
15	7.0	7.0	4.5	3.0	2.5	1.0	---	---	0.0	0.0	1.5	0.5
16	7.0	6.5	3.0	2.5	2.0	0.5	---	---	---	0.0	1.0	0.0
17	6.5	6.5	3.0	2.5	1.5	1.0	---	---	---	0.0	1.5	0.0
18	6.5	6.0	3.0	2.5	1.5	1.5	---	---	0.0	0.0	2.0	1.0
19	6.0	5.5	2.5	2.0	2.0	1.5	---	---	0.0	0.0	2.0	1.5
20	5.5	5.0	2.0	0.5	2.0	1.5	---	---	0.0	0.0	2.0	1.0
21	6.5	5.5	1.5	1.0	2.0	1.5	0.0	---	0.0	0.0	1.5	0.5
22	7.0	6.5	2.5	1.5	2.0	1.5	0.5	0.0	0.0	0.0	1.5	0.0
23	7.0	6.5	2.5	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0
24	7.0	7.0	2.5	2.0	2.0	2.0	0.5	0.0	0.0	0.0	0.5	0.0
25	7.5	7.0	2.0	1.5	2.0	2.0	0.5	0.0	0.0	---	1.0	0.5
26	7.0	7.0	2.5	1.5	2.0	1.0	1.0	0.0	0.5	0.0	1.0	0.0
27	7.0	5.5	2.5	2.0	1.5	0.5	1.0	0.5	1.0	0.0	0.5	0.5
28	6.0	5.5	2.5	2.5	1.5	0.5	1.5	0.5	1.0	0.5	1.5	0.5
29	5.5	5.0	3.0	2.5	1.5	1.0	1.5	0.5	---	---	0.5	0.5
30	5.5	5.0	3.0	2.5	2.0	0.5	0.0	---	---	---	1.5	0.5
31	5.5	5.0	---	---	1.5	0.5	---	---	---	---	2.0	1.0
MONTH	---	---	7.5	0.5	3.0	0.5	---	---	1.0	0.0	2.0	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.0	1.0	---	---	3.0	2.0	5.5	4.0	8.5	7.0	8.5	8.0
2	2.0	0.5	---	---	3.0	2.0	5.5	4.5	8.5	7.0	8.5	8.0
3	---	---	---	---	3.0	2.0	6.5	5.0	10.0	6.5	8.5	8.0
4	2.0	0.5	---	---	3.5	2.5	6.0	5.5	10.0	8.0	8.5	8.0
5	2.0	1.0	---	---	3.5	2.5	7.5	5.0	10.0	8.0	9.0	7.5
6	2.0	1.0	---	---	3.5	2.5	9.0	4.5	10.0	8.5	9.0	8.5
7	2.5	1.5	---	---	3.5	2.5	9.0	5.5	9.5	7.5	8.5	8.0
8	2.5	1.5	---	---	3.5	2.5	7.5	6.0	8.5	7.0	8.0	7.0
9	2.5	1.5	---	---	3.5	3.0	9.5	6.0	8.5	8.0	8.0	7.5
10	2.0	1.0	---	---	3.5	2.5	10.5	6.5	8.5	8.0	8.5	7.5
11	2.5	1.0	2.0	1.0	4.0	2.5	8.5	7.0	8.5	8.0	9.0	8.0
12	2.0	1.0	3.0	1.0	3.5	3.0	8.0	6.0	9.0	8.0	9.0	8.5
13	---	---	3.0	1.5	4.0	3.0	8.0	6.5	10.5	8.0	10.0	8.5
14	---	---	3.5	1.0	4.0	3.0	8.5	7.0	10.5	8.0	9.5	8.0
15	---	---	2.5	1.5	4.0	3.0	9.0	7.5	11.0	9.0	8.5	8.0
16	---	---	3.0	1.0	6.0	3.0	8.0	7.0	10.5	9.0	8.0	7.0
17	---	---	3.0	1.5	6.0	3.0	9.0	7.0	10.5	9.0	8.5	7.5
18	---	---	3.0	1.0	6.5	3.0	9.0	7.5	9.5	8.5	8.5	8.0
19	---	---	3.5	1.5	4.5	3.0	8.5	7.5	8.5	8.0	9.0	8.5
20	---	---	2.5	1.5	4.5	3.0	8.5	7.5	9.0	8.5	8.5	8.0
21	---	---	3.0	1.5	5.5	3.0	8.5	7.0	9.0	8.0	8.0	7.0
22	---	---	3.0	1.5	6.5	3.0	9.0	7.5	9.5	7.0	8.0	6.5
23	---	---	4.0	1.0	6.5	3.0	8.5	8.0	8.5	8.0	8.0	6.5
24	---	---	4.5	1.0	4.5	3.5	8.0	7.5	9.0	8.0	8.5	8.0
25	---	---	4.5	1.0	5.5	3.5	8.0	7.5	9.5	8.0	8.5	7.0
26	---	---	3.5	1.5	5.5	3.5	8.0	7.5	9.0	7.0	8.0	7.5
27	---	---	3.0	1.5	5.0	3.5	8.5	7.5	9.0	7.5	8.0	7.5
28	---	---	3.0	1.5	7.0	4.0	8.5	7.5	8.5	8.0	8.0	6.5
29	---	---	3.5	2.0	6.5	4.0	8.5	7.5	9.0	7.0	8.5	7.5
30	---	---	4.5	2.0	6.0	4.0	8.0	7.5	8.5	6.5	9.0	8.0
31	---	---	4.5	1.5	---	---	8.0	7.5	8.0	7.5	---	---
MONTH	---	---	---	---	7.0	2.0	10.5	4.0	11.0	6.5	10.0	6.5
YEAR	11.0	0.0										

15106980 Tonalite Creek near Tenakee

LOCATION.--Lat 57°40'42", long 135°13'17", Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, temperature recorder at gaging station on right bank, 2 mi (3.2 km) upstream from confluence with Kadashan River, and 9 mi (14 km) south of Tenakee.

DRAINAGE AREA.--14.5 mi² (37.6 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1968-72 and 1975 (partial-record station).
Water temperatures: June 1968 to September 1975.
Sediment records: Water years 1968-75 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 12.0°C Aug. 13; minimum, freezing point on many days during winter months.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 14.0°C Aug. 12, 1968; minimum, freezing point on many days during winter months in most years.

REMARKS.--No temperature records Oct. 1-8, Dec. 15, Jan. 9-13, Feb. 5 to Mar. 2, and Mar. 11 to May 6 due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.											
20...	1350	60	--	--	--	--	--	--	48	6.7	1.0
DEC.											
05...	1325	30	--	--	--	--	--	--	50	6.8	2.0
AUG.											
18...	1500	22	.15	.04	.15	.19	.34	.02	57	--	10.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	7.5	6.5	3.0	2.0	1.0	0.5	1.0	1.0	---	---
2	---	---	8.5	6.0	2.5	2.0	1.5	1.0	1.0	1.0	---	---
3	---	---	8.5	7.5	2.5	2.5	1.0	0.5	1.0	0.0	0.5	---
4	---	---	7.5	7.0	2.5	2.0	0.5	0.5	---	0.0	0.5	0.0
5	---	---	7.0	6.0	2.5	2.0	0.5	0.0	---	---	0.5	0.5
6	---	---	6.5	6.0	3.0	2.0	0.0	0.0	---	---	0.5	0.5
7	---	---	6.0	6.0	3.5	3.0	0.5	0.0	---	---	0.5	0.0
8	---	---	6.0	6.0	3.5	3.0	0.0	0.0	---	---	0.0	0.0
9	7.5	6.0	6.0	5.5	3.5	3.0	---	---	---	---	0.5	0.0
10	7.5	6.5	5.5	5.0	3.5	3.0	---	---	---	---	0.0	---
11	7.5	6.5	5.5	4.5	3.5	---	---	---	---	---	---	---
12	7.5	7.0	5.0	4.5	3.0	---	---	---	---	---	---	---
13	7.0	6.5	4.5	4.0	3.0	---	---	---	---	---	---	---
14	8.5	7.5	5.0	4.5	2.5	---	0.5	0.5	---	---	---	---
15	8.5	8.0	5.5	3.5	---	---	0.5	0.5	---	---	---	---
16	8.0	7.5	3.5	3.5	1.0	---	0.5	0.5	---	---	---	---
17	7.5	7.0	3.5	3.5	1.0	---	0.5	0.5	---	---	---	---
18	7.0	7.0	3.5	3.5	1.5	1.0	0.5	0.5	---	---	---	---
19	7.0	6.5	3.5	2.5	1.5	1.0	0.5	0.5	---	---	---	---
20	6.5	6.0	2.5	1.5	2.0	1.5	0.5	0.5	---	---	---	---
21	7.5	6.0	2.5	2.0	1.5	1.5	0.5	0.5	---	---	---	---
22	8.0	7.0	3.0	2.5	2.0	1.5	0.5	0.5	---	---	---	---
23	8.0	7.5	3.0	2.5	2.0	0.5	0.5	0.5	---	---	---	---
24	8.0	7.5	3.0	2.5	2.5	1.5	0.5	0.5	---	---	---	---
25	8.5	8.0	2.5	2.0	2.5	2.0	1.0	0.5	---	---	---	---
26	8.5	8.0	2.5	2.0	2.0	1.0	1.0	0.5	---	---	---	---
27	8.0	7.0	3.0	2.5	1.5	1.0	1.5	1.0	---	---	---	---
28	7.0	6.5	3.5	3.0	1.5	1.0	1.5	1.0	---	---	---	---
29	7.0	6.5	3.5	3.0	1.0	0.5	1.5	1.0	---	---	---	---
30	6.5	6.0	3.0	3.0	1.5	0.5	2.0	0.5	---	---	---	---
31	7.0	6.5	---	---	1.0	0.5	1.5	1.0	---	---	---	---
MONTH	---	---	8.5	1.5	3.5	---	2.0	0.0	---	---	---	---

15106980 Tonalite Creek near Tenakee--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1			---	---	4.0	3.0	6.0	5.5	9.5	8.0	9.5	8.5
2			---	---	4.5	2.5	6.5	5.5	9.5	8.0	9.5	8.5
3			---	---	4.0	2.5	7.0	5.5	11.5	7.5	9.0	8.5
4			---	---	4.0	3.0	7.0	6.0	11.0	9.0	9.0	8.5
5			---	---	4.5	3.0	7.5	5.5	11.0	9.0	9.5	8.5
6			---	---	4.0	3.0	10.0	5.5	11.0	9.5	9.5	9.0
7			4.5	3.0	4.0	3.0	10.5	6.0	10.5	8.0	9.0	8.5
8			3.0	1.0	4.0	3.0	8.0	7.0	10.0	8.5	8.5	8.0
9			5.0	1.0	4.0	3.0	11.0	7.0	9.5	9.0	8.5	8.0
10			3.5	1.0	4.5	3.0	11.5	7.5	9.5	9.0	9.0	8.0
11			2.0	1.0	5.0	3.0	10.0	8.0	9.5	8.5	9.5	8.0
12			3.5	1.5	4.0	3.5	9.0	7.5	10.5	9.0	10.0	9.0
13			4.0	2.0	4.5	3.0	9.0	8.0	12.0	9.0	10.5	9.5
14			4.5	1.5	4.5	3.5	9.5	8.0	11.5	9.0	10.0	8.5
15			3.0	2.0	5.0	3.5	10.0	8.5	11.5	10.0	8.5	8.0
16			4.0	2.0	7.5	3.5	9.0	8.5	11.0	10.0	8.5	7.5
17			3.5	2.0	7.5	4.0	10.5	8.0	11.0	10.0	9.0	8.0
18			4.5	1.5	8.0	3.5	10.5	8.5	10.5	9.5	9.0	8.0
19			4.5	2.0	5.5	3.5	10.0	9.0	10.0	9.0	10.0	8.5
20			3.0	2.0	5.5	4.0	10.0	8.5	10.0	9.0	10.0	8.5
21			3.0	2.0	6.0	4.0	10.0	8.5	10.0	9.0	9.0	7.5
22			3.5	2.0	8.0	3.5	11.0	8.5	10.5	8.0	9.0	7.5
23			5.5	1.5	7.5	4.0	10.0	9.0	10.0	8.5	9.0	7.5
24			6.0	2.0	5.5	4.5	1.0	8.5	10.0	9.0	8.5	8.0
25			6.0	2.0	6.0	4.0	9.0	8.5	11.0	9.0	8.5	8.0
26			4.5	2.5	7.0	4.5	9.0	8.5	11.0	8.0	8.5	8.0
27			4.0	2.5	6.0	5.0	9.5	8.5	10.0	8.5	8.5	8.0
28			3.5	2.5	8.5	5.0	9.5	8.0	9.5	8.5	8.5	7.5
29			5.0	2.5	8.0	5.0	10.0	8.0	10.5	8.0	8.5	7.5
30			6.0	2.5	6.5	5.0	9.0	8.5	10.5	7.5	9.5	8.5
31			6.0	2.0	---	---	9.0	8.0	9.5	8.5	---	---
MONTH			6.0	1.0	8.5	2.5	11.5	5.5	12.0	7.5	10.5	7.5
YEAR	12.0	0.0										

15107000 Kadashan River near Tenakee

LOCATION.--Lat 57°41'43", long 135°12'59", in SE¼NW¼ sec.21, T.48 S., R.63 E., Greater Sitka Borough, on Chichagof Island, in Tongass National Forest, temperature recorder at gaging station on right bank, 700 ft (213 m) downstream from mouth of Tonalite Creek, 0.5 mi (0.8 km) upstream from mouth at Kadashan Bay in Tenakee Inlet, and 7 mi (11 km) south of Tenakee.

DRAINAGE AREA.--37.7 mi^2 (97.6 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1967-72 (partial-record station).
Water temperatures: June 1966 to September 1975.
Sediment records: Water years 1968-74 (partial-record station).

EXTREMES 1974-75.--Water temperatures: Maximum, 13.0°C Aug. 15; minimum, not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 17°C Aug. 7, 1968; minimum, freezing point on several days during winter months of most years.

REMARKS.--Water temperatures affected by submergence by high tides. No temperature records Nov. 3 to May 7, due to recorder malfunction.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.0	7.0	6.5	6.0								
2	7.0	7.0	6.5	6.0								
3	7.0	6.0	---	---								
4	6.0	6.0	---	---								
5	6.5	6.0	---	---								
6	7.5	6.5	---	---								
7	7.5	7.5	---	---								
8	8.0	7.5	---	---								
9	7.5	6.5	---	---								
10	6.5	6.5	---	---								
11	6.5	6.0	---	---								
12	6.0	6.0	---	---								
13	6.5	6.0	---	---								
14	7.0	6.5	---	---								
15	7.0	7.0	---	---								
16	7.0	6.5	---	---								
17	6.5	6.5	---	---								
18	6.5	6.5	---	---								
19	6.5	6.5	---	---								
20	6.5	6.5	---	---								
21	6.5	6.5	---	---								
22	7.0	6.5	---	---								
23	7.0	6.5	---	---								
24	6.5	6.5	---	---								
25	7.0	6.5	---	---								
26	7.0	7.0	---	---								
27	7.0	7.0	---	---								
28	7.0	6.5	---	---								
29	6.5	6.5	---	---								
30	6.5	6.0	---	---								
31	6.0	6.0	---	---								
MONTH	8.0	6.0	---	---								

15107000 Kadashan River near Tenakee--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	4.0	3.5	7.0	6.5	10.0	9.5	10.5	10.0
2			---	---	4.0	3.5	6.5	7.0	10.5	9.5	10.5	10.0
3			---	---	4.0	4.0	7.0	6.5	11.5	9.0	10.0	10.0
4			---	---	4.5	4.0	7.5	6.5	[illegible]1.5	10.5	10.0	10.0
5			---	---	4.5	4.0	7.5	6.5	[illegible]1.5	10.5	10.5	9.5
6			---	---	4.5	4.0	9.5	6.5	11.5	11.0	10.5	10.5
7			---	---	4.5	4.0	10.0	7.0	11.5	9.5	10.5	9.5
8			3.5	1.5	4.5	4.0	8.5	7.5	11.0	10.0	9.5	9.5
9			3.0	1.0	4.3	4.0	10.5	8.0	10.5	10.5	9.5	9.5
10			1.5	1.0	4.5	4.0	11.0	9.0	10.5	10.0	9.5	9.5
11			3.0	1.5	5.0	4.0	10.5	9.5	10.5	10.0	10.0	9.5
12			3.0	2.0	4.5	4.0	10.0	9.0	10.5	10.0	10.5	10.0
13			6.0	1.5	5.0	4.0	10.0	9.5	12.0	10.5	11.0	10.5
14			5.5	2.0	4.5	4.0	10.0	9.5	12.0	10.5	11.0	10.5
15			5.5	2.0	5.0	4.5	11.0	10.0	13.0	11.5	10.5	9.5
16			5.0	2.0	7.0	4.5	10.5	9.5	12.5	11.5	9.5	9.0
17			4.0	2.0	7.0	4.0	10.5	9.5	12.0	11.5	9.5	9.5
18			3.5	2.0	7.0	4.5	10.5	10.0	12.0	11.0	9.5	9.5
19			3.5	2.0	6.0	4.5	10.5	10.5	11.5	10.5	10.5	9.5
20			3.0	2.0	5.0	4.5	10.5	10.0	11.0	10.5	10.5	10.0
21			4.0	3.0	6.5	5.0	10.5	10.0	11.0	10.0	10.5	9.0
22			4.5	2.5	7.5	5.0	11.0	10.0	11.0	9.5	9.5	9.0
23			5.5	3.0	7.0	5.0	11.0	10.5	10.5	10.5	9.5	9.0
24			5.5	3.0	6.0	5.5	10.5	9.5	10.5	10.5	9.5	9.5
25			4.5	3.0	6.5	5.5	10.0	9.5	10.5	10.5	9.5	9.5
26			4.0	3.5	7.0	5.5	10.0	9.5	9.5	9.5	9.5	9.5
27			4.0	3.0	6.5	6.0	10.0	9.5	9.5	9.5	9.5	9.5
28			5.0	3.0	8.5	6.0	10.5	9.5	10.5	10.0	9.5	9.0
29			5.5	3.5	7.5	6.5	10.5	9.5	9.5	9.5	9.5	9.0
30			5.5	3.5	7.0	6.5	10.5	10.0	9.5	9.5	10.0	9.5
31			5.5	4.0	---	---	10.0	9.5	10.0	10.0	---	---
MONTH			---	---	8.5	3.5	11.0	6.5	13.0	9.0	11.0	9.0

15195000 Dick Creek near Cordova

LOCATION.--Lat 60°20'32", long 144°18'10", in NW¼ sec.2, T.18 S., R.6 E., Chugach National Forest, temperature recorder at gaging station on left bank, 1.2 mi (1.9 km) upstream from mouth at Bering Lake, and 52 mi (84 km) southeast of Cordova.

DRAINAGE AREA.--7.95 mi^2 (20.59 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1972, 1974-75 (partial-record station).
Water temperatures: July 1971 to September 1975.
Sediment records: Water years 1970-72, 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 10.0°C Sept. 18; minimum recorded, 1.5°C may 27-31, but may have been lower during period of no record.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 11.5°C Aug. 22, 1972; minimum, freezing point at times during winter period some years.

REMARKS.--No temperature records Nov. 17 to May 20, due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
AUG. 14...	1530	298	320	--	10	--	8.4	.03	.00	.30	.30
SEP. 16...	1215	71	60	10	--	.7	11	.05	.00	.70	.70

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TANNIN AND LIGNIN (MG/L)
AUG. 14...	.33	.00	43	6.0	6.5	2	--	11.6	1.8	.0
SEP. 16...	.75	.00	61	6.8	6.0	1	5	12.1	1.8	.0

DATE	TOTAL COPPER (CU) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	<10	--	<10	10
SEP. 16...	<10	.0	--	20

SEE NEXT PAGE
FOR TEMPERATURE DATA

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 14...	1530	6.5	2	298	10	8.0
SEP. 16...	1215	6.0	1	71	2	.38

15195000 Dick Creek near Cordova--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.5	4.5	6.0	5.5								
2	5.5	4.0	6.5	5.5								
3	5.5	4.0	6.5	6.0								
4	4.0	4.0	6.0	6.0								
5	6.0	4.0	6.0	5.5								
6	6.5	6.0	6.0	5.5								
7	7.0	6.5	5.5	5.5								
8	7.0	6.0	5.5	5.5								
9	6.5	6.0	5.5	5.5								
10	6.0	5.0	5.5	4.5								
11	5.0	5.0	4.5	4.5								
12	5.0	5.0	4.5	4.0								
13	5.0	5.0	4.0	4.0								
14	6.0	5.0	4.0	3.5								
15	6.0	6.0	3.5	3.0								
16	6.5	5.5	3.0	3.0								
17	5.5	5.0	---	---								
18	5.0	5.0	---	---								
19	5.0	5.0	---	---								
20	5.0	4.5	---	---								
21	4.5	4.0	---	---								
22	5.0	4.0	---	---								
23	5.5	5.0	---	---								
24	6.0	5.5	---	---								
25	6.0	6.0	---	---								
26	6.0	6.0	---	---								
27	6.0	6.0	---	---								
28	6.0	6.0	---	---								
29	6.0	6.0	---	---								
30	6.0	6.0	---	---								
31	6.0	6.0	---	---								
MONTH	7.0	4.0	---	---								

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	2.0	2.0	3.0	3.0	5.5	4.5	5.0	5.0
2			---	---	2.0	2.0	3.0	2.0	6.0	5.0	5.0	5.0
3			---	---	2.0	2.0	3.5	2.0	7.0	5.0	5.0	5.0
4			---	---	2.0	2.0	3.0	2.0	7.0	5.5	5.0	5.0
5			---	---	3.0	2.0	4.5	2.0	6.5	5.5	5.0	5.0
6			---	---	3.0	3.0	5.0	3.5	7.0	5.5	5.5	5.0
7			---	---	3.0	3.0	4.5	3.5	6.5	6.0	6.0	5.5
8			---	---	3.0	3.0	4.5	3.5	6.0	6.0	6.0	5.5
9			---	---	6.5	3.0	5.0	3.5	6.0	5.5	6.0	5.0
10			---	---	6.0	3.5	5.0	4.5	5.5	5.0	6.5	5.5
11			---	---	3.5	3.5	4.5	4.0	5.5	5.0	8.0	6.5
12			---	---	3.5	3.5	4.5	3.5	8.5	5.5	7.0	6.5
13			---	---	3.5	3.5	4.5	4.0	8.0	6.5	6.5	6.0
14			---	---	3.5	3.5	4.5	3.5	7.0	6.5	6.5	6.0
15			---	---	3.5	3.5	4.0	4.0	6.5	6.0	6.5	6.0
16			---	---	3.5	3.5	4.0	4.0	6.0	5.5	6.5	6.0
17			---	---	3.5	3.5	4.5	4.0	6.0	5.5	9.5	6.5
18			---	---	4.0	3.0	5.0	4.5	6.0	5.5	10.0	8.5
19			---	---	3.5	3.0	4.5	4.0	6.0	5.0	8.5	7.0
20			---	---	3.0	3.0	4.0	4.0	6.0	5.5	8.5	7.0
21			2.0	2.0	3.0	3.0	4.0	4.0	6.0	5.0	9.0	8.5
22			2.0	2.0	3.0	3.0	5.0	4.0	6.0	5.5	9.0	8.0
23			2.0	2.0	3.0	3.0	5.0	4.5	6.0	5.5	8.0	7.0
24			2.0	2.0	3.0	3.0	5.0	4.5	5.5	5.5	7.0	7.0
25			3.0	2.0	3.0	2.5	4.5	4.0	6.0	5.5	8.0	7.0
26			3.0	3.0	3.0	3.0	6.0	4.0	6.0	5.5	8.0	7.0
27			3.0	1.5	4.0	3.0	6.0	4.5	6.0	5.5	7.0	7.0
28			1.5	1.5	4.0	3.0	4.5	4.5	6.0	5.0	7.0	7.0
29			1.5	1.5	4.0	3.5	4.5	4.5	5.5	5.0	7.0	7.0
30			1.5	1.5	3.5	3.0	6.5	4.5	5.5	5.0	8.5	7.0
31			2.0	1.5	---	---	5.5	4.5	5.0	5.0	---	---
MONTH			---	---	6.5	2.0	6.5	2.0	8.5	4.5	10.0	5.0

15200280 Gulkana River at Sourdough

LOCATION.--Lat 62°31'15", long 145°31'51", in NE¼ sec.35, T.19 N., R.2 W., temperature recorder at gaging station on left bank 0.3 mi (0.5 km) downstream from Sourdough Creek, and 0.8 mi (1.3 km) southwest of Sourdough.

DRAINAGE AREA.--1,770 mi² (4,580 km²), revised.

PERIOD OF RECORD.--Chemical analyses: June 1974 to September 1975 (partial-record station).
Water temperatures: October 1972 to September 1975.
Sediment records: May 1974 to September 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 21.0°C July 9-11; minimum, freezing point on most days during winter months.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 21.0°C July 9-11, 1975; minimum, freezing point on most days during winter months.

REMARKS.--No record Mar. 7-20 due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JAN. 25...	1500	--	--	--	--	--	--	--	--	--
MAR. 21...	1315	252	--	--	--	--	--	--	--	--
MAY 20...	1300	4700	3.3	360	20	9.3	2.5	1.6	1.4	28
JUNE 23...	1600	--	--	--	--	--	--	--	--	--
JULY 24...	1500	2770	--	--	--	--	--	--	--	48
SEP. 05...	1050	1350	--	--	--	--	--	--	--	76

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)
JAN. 25...	--	--	--	--	--	--	--	--	--	--
MAR. 21...	--	--	--	--	.17	.17	.03	.03	.11	.07
MAY 20...	0	4.4	3.1	.1	.02	.01	.02	.00	.70	.43
JUNE 23...	--	--	--	--	--	--	--	--	--	--
JULY 24...	--	--	--	--	.01	.01	.03	.00	.40	.43
SEP. 05...	--	--	--	--	.02	.02	.00	.00	.57	.12

DATE	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
JAN. 25...	--	--	--	--	--	--	--	--	--	--
MAR. 21...	.14	.10	.31	.03	.03	--	--	--	--	--
MAY 20...	.72	.43	.74	.14	.01	.01	68	40	34	11
JUNE 23...	--	--	--	--	--	--	--	--	--	--
JULY 24...	.43	.43	.44	.00	.02	--	--	--	--	--
SEP. 05...	.57	.12	.59	.03	.02	--	--	--	--	--

15200280 Gulkana River at Sourdough--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	SUSPENDED ORGANIC CARBON (C) (MG/L)
JAN. 25...	200	6.8	.0	1	--	9.0	--	--	--	--
MAR. 21...	253	--	.5	--	--	9.1	--	--	2.8	.1
MAY 20...	60	6.8	3.5	35	90	12.6	7.1	23	20	.5
JUNE 23...	--	--	--	6	40	--	--	--	--	--
JULY 24...	120	7.7	11.5	6	70	10.3	1.5	--	15	.2
SEP. 05...	120	8.0	7.0	1	--	11.0	1.2	--	4.9	.3

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
8	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
9	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
10	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
11	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
12	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
13	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
14	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
15	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
16	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
17	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
18	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
19	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
20	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---
21	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	0.0	0.0
31	0.0	0.0	---	---	0.0	0.0	0.0	0.0	---	---	0.0	0.0
MONTH	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---

Continued on next page

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	0.0	0.0	8.5	6.5	12.5	11.0	11.5	10.5	9.5	8.0
2	0.0	0.0	0.0	0.0	8.0	6.5	13.5	11.0	12.0	11.0	9.5	8.0
3	0.0	0.0	0.0	0.0	7.0	5.5	14.5	11.0	13.0	11.0	10.0	8.0
4	0.0	0.0	0.0	0.0	6.0	5.0	14.0	12.0	13.0	11.5	10.0	8.0
5	0.0	0.0	0.5	0.0	7.0	5.0	16.0	11.5	13.0	12.0	9.5	8.0
6	0.0	0.0	0.5	0.5	8.5	6.5	18.0	12.5	13.0	11.5	8.5	7.5
7	0.0	0.0	0.5	0.5	8.5	7.0	19.0	14.5	12.5	11.0	8.0	7.0
8	0.0	0.0	0.5	0.5	9.0	6.5	19.5	15.5	12.5	11.5	7.0	6.0
9	0.0	0.0	0.5	0.5	8.5	7.5	21.0	16.0	12.5	10.5	7.0	6.0
10	0.0	0.0	0.5	0.5	9.0	7.5	21.0	17.0	12.0	11.0	7.0	6.0
11	0.0	0.0	1.0	0.5	9.0	7.0	21.0	17.5	11.0	10.5	7.0	7.0
12	0.0	0.0	0.5	0.5	10.0	7.5	19.0	16.5	12.0	9.5	8.5	7.0
13	0.0	0.0	1.0	0.5	10.0	8.5	19.5	15.5	12.5	11.0	7.5	6.0
14	0.0	0.0	3.0	1.0	11.0	9.0	17.0	13.5	13.0	11.5	7.0	5.0
15	0.5	0.0	3.0	2.0	11.5	9.0	17.0	14.0	13.0	11.5	7.0	6.0
16	0.5	0.5	3.0	2.0	13.5	9.0	16.5	13.5	12.5	10.0	8.0	6.0
17	0.5	0.5	3.0	2.0	13.5	11.0	17.0	14.5	13.0	10.5	7.5	6.5
18	0.5	0.5	2.5	2.0	14.0	11.0	16.5	14.5	12.5	11.5	8.0	7.0
19	0.5	0.5	4.0	2.5	13.5	11.5	15.0	12.5	12.0	10.0	7.5	6.0
20	0.5	0.5	4.0	3.0	11.5	10.5	12.5	11.0	12.0	10.5	6.5	5.5
21	0.5	0.0	4.5	3.0	13.0	9.5	11.0	10.0	12.5	10.5	6.0	5.0
22	0.0	0.0	4.5	4.0	13.0	11.0	11.0	9.0	12.5	10.5	7.0	5.5
23	0.0	0.0	5.5	3.5	12.0	10.5	12.0	9.0	12.5	10.0	6.5	5.0
24	0.0	0.0	6.5	4.5	11.5	10.0	12.5	11.0	12.5	10.5	6.0	4.5
25	0.0	0.0	6.5	5.0	11.5	9.5	12.5	11.5	12.5	10.0	6.5	5.5
26	0.0	0.0	7.5	5.0	13.0	10.0	12.0	11.0	11.5	10.5	6.5	6.0
27	0.0	0.0	6.5	5.0	15.5	11.0	12.0	10.5	11.0	10.0	6.0	5.0
28	0.0	0.0	6.0	5.0	16.0	11.5	11.5	11.0	10.0	8.0	5.5	4.0
29	0.0	0.0	7.0	5.0	15.0	12.5	12.0	10.0	10.0	7.5	5.0	4.0
30	0.0	0.0	6.5	5.0	13.5	12.0	12.0	11.0	9.0	7.5	5.0	3.0
31	---	---	8.5	5.0	---	---	11.0	10.5	9.0	8.5	---	---
MONTH	0.5	0.0	8.5	0.0	16.0	5.0	21.0	9.0	13.0	7.5	10.0	3.0
YEAR	21.0	0.0										

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
MAR.								
21...	1315	.5	--	252	9	6.1	--	--
MAY								
20...	1300	3.5	35	4780	274	3540	20	27
JULY								
24...	1500	11.5	6	2770	25	107	--	--
SEP.								
05...	1050	7.0	1	1350	5	18	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
MAR.								
21...	--	--	--	--	--	--	--	--
MAY								
20...	39	51	65	*75	*85	*93	*99	*100
JULY								
24...	--	--	--	50	65	88	100	--
SEP.								
05...	--	--	--	--	--	--	--	--

* Sieve Analysis

15207800 Little Tonsina River near Tonsina

LOCATION.--Lat 61°28'49", long 145°09'05", in NW¼ sec.36, T.4 S., R.1 E., temperature recorder at gaging station on right bank 50 ft (15 m) downstream from Richardson Highway crossing, and 15.4 mi (24.8 km) south of Tonsina.

DRAINAGE AREA.--22.7 mi² (58.8 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1973 and 1975 (partial-record station).
Water temperatures: October 1972 to September 1975 (seasonal).
Sediment records: December 1972 to September 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 11.0°C June 16 and July 9-13; minimum recorded, 1.0°C Oct. 2-7, 9-12, but may have been lower during period of no record.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 12.0°C July 17, 18, 28 and Aug. 16-18, 1974; minimum, freezing point on many days during winter months.

REMARKS.--Recorder shut down for winter period Oct. 20 to Apr. 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JAN. 24...	0745	--	--	--	--	--	--	--	--	--
MAR. 19...	1500	3.7	--	--	--	--	--	--	--	--
APR. 29...	1400	5.5	--	--	--	--	--	--	--	81
MAY 15...	1430	--	--	--	--	--	--	--	--	--
JUNE 27...	1100	101	5.6	120	20	12	1.3	1.2	.3	33
JULY 22...	2300	95	--	--	--	--	--	--	--	37
SEP. 03...	1910	30	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
JAN. 24...	--	--	--	--	--	--	--	--	--	--
MAR. 19...	--	--	--	.09	.09	.02	.02	.38	.18	.40
APR. 29...	--	--	--	.08	.05	.02	.02	.49	.23	.51
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	4.3	1.1	.1	.25	.08	.78	.08	.15	.11	.93
JULY 22...	--	--	--	.01	.01	.03	.00	.18	.16	.21
SEP. 03...	--	--	--	.03	.03	.00	.00	.12	.12	.12

DATE	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
JAN. 24...	--	--	--	--	--	--	--	--	--	136
MAR. 19...	.20	.49	.01	.02	--	--	--	--	--	155
APR. 29...	.25	.59	.06	.04	--	--	--	--	--	135
MAY 15...	--	--	--	--	--	--	--	--	--	--
JUNE 27...	.19	1.2	.01	.00	.01	43	43	35	8	68
JULY 22...	.16	.22	.02	.01	--	--	--	--	--	68
SEP. 03...	.12	.15	.02	.02	--	--	--	--	--	--

15207800 Little Tonsina River near Tonsina--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

DATE	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)
JAN. 24...	6.6	.5	2	--	11.2	--	--	--	--
MAR. 19...	--	.0	0	--	10.7	--	--	2.4	--
APR. 29...	7.6	1.5	4	20	--	3.3	--	--	--
MAY 15...	--	--	--	--	--	--	14	--	--
JUNE 27...	--	6.5	6	10	11.3	--	--	4.8	.8
JULY 22...	7.0	9.0	3	30	11.6	5.9	--	4.0	.1
SEP. 03...	--	7.5	2	--	--	--	--	7.8	.2

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.5	1.5										
2	1.0	1.0										
3	1.0	1.0										
4	1.0	1.0										
5	1.0	1.0										
6	1.5	1.0										
7	2.0	1.0										
8	2.0	1.5										
9	1.5	1.0										
10	1.0	1.0										
11	1.0	1.0										
12	1.5	1.0										
13	1.5	1.5										
14	1.5	1.5										
15	1.5	1.5										
16	2.0	1.5										
17	2.0	2.0										
18	2.0	2.0										
19	1.5	1.5										
20	---	---										
21	---	---										
22	---	---										
23	---	---										
24	---	---										
25	---	---										
26	---	---										
27	---	---										
28	---	---										
29	---	---										
30	---	---										
31	---	---										
MONTH	---	---										

Continued on next page

15207800 Little Tonsina River near Tonsina--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	2.5	2.0	9.0	7.0	---	6.5	9.0	7.5	7.5	7.0
2	---	---	2.5	2.0	8.0	6.0	---	6.0	8.5	7.5	8.0	6.5
3	---	---	2.0	2.0	8.0	6.0	---	7.0	9.0	7.5	8.0	7.0
4	---	---	2.0	2.0	7.0	6.0	---	6.5	9.0	7.5	8.0	7.0
5	---	---	2.5	2.5	8.0	5.5	---	6.0	9.0	7.5	8.0	7.0
6	---	---	3.0	2.5	8.0	6.0	---	6.5	8.5	7.0	7.0	6.5
7	---	---	2.5	2.5	8.5	6.0	---	7.0	9.0	7.5	7.0	6.0
8	---	---	2.5	2.5	9.0	6.0	---	8.0	9.0	7.5	6.5	5.5
9	---	---	2.5	2.5	9.0	6.5	11.0	8.5	8.5	7.5	6.0	5.5
10	---	---	2.5	2.5	9.5	6.0	11.0	9.0	9.5	7.5	6.0	6.0
11	---	---	2.5	2.5	9.5	6.0	11.0	9.0	9.5	8.0	6.5	6.0
12	---	---	2.5	2.5	9.5	7.0	11.0	9.0	9.5	7.5	6.5	6.0
13	---	---	3.0	2.5	9.0	7.0	11.0	9.0	9.5	8.5	6.0	6.0
14	---	---	3.5	2.5	9.0	6.5	10.0	8.0	9.0	8.0	6.0	5.0
15	---	---	4.0	3.0	9.0	7.5	9.5	8.0	9.0	8.0	6.5	6.0
16	---	---	5.0	3.0	11.0	6.5	9.5	8.0	9.0	7.0	6.5	5.5
17	---	---	4.0	3.0	10.5	6.5	9.5	8.5	9.5	8.0	6.5	6.0
18	---	---	6.0	3.0	10.0	5.5	9.5	8.5	9.5	8.5	6.5	6.0
19	---	---	6.0	3.5	9.5	6.5	9.5	8.5	9.0	7.5	6.5	5.5
20	---	---	5.5	3.5	8.0	5.0	8.5	7.5	8.5	8.0	6.0	5.5
21	---	---	6.0	4.0	9.5	5.0	8.5	7.5	8.5	7.5	5.5	5.5
22	---	---	6.5	4.0	9.5	6.0	9.0	7.5	9.5	7.5	6.0	5.5
23	---	---	8.0	4.5	7.5	5.5	9.0	7.5	9.5	7.5	6.0	5.5
24	---	---	8.0	5.0	7.0	5.5	9.0	8.0	9.0	8.0	5.5	5.0
25	---	---	7.5	5.5	9.0	6.0	9.0	8.0	9.0	7.5	6.0	5.5
26	---	---	8.5	5.5	8.0	6.5	8.0	7.5	8.5	7.0	6.0	5.5
27	---	---	8.0	6.0	9.5	6.0	9.0	7.5	8.5	7.5	5.5	4.5
28	---	---	9.0	6.0	10.0	6.5	9.0	7.5	8.0	6.5	5.0	4.5
29	3.0	2.5	9.5	6.0	9.5	7.0	9.0	7.5	7.5	6.0	4.0	4.0
30	3.0	2.0	10.0	6.0	9.0	7.0	9.0	7.5	7.5	6.5	4.0	3.5
31	---	---	9.5	6.5	---	---	9.0	7.0	7.5	7.0	---	---
MONTH	---	---	10.0	2.0	11.0	5.0	---	6.0	9.5	6.0	8.0	3.5
YEAR	11.0											

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAR.						
19...	1500	.0	0	3.7	4	.04
APR.						
13...	1715	--	7	--	--	--
16...	1440	--	25	--	--	--
29...	1400	1.5	4	5.5	11	.16
MAY						
30...	1225	5.0	2	71	39	7.5
JUNE						
27...	1100	6.5	6	101	19	5.2
JULY						
22...	2300	9.0	3	95	10	2.6
SEP.						
03...	1910	7.5	2	30	4	.32

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
JUNE	
27...	69

15216100 Humpback Creek near Cordova

LOCATION.--Lat 60°36'41", long 145°40'36", in NE¼SW¼ sec.36, T.14 S., R.3 W., Chugach National Forest, temperature recorder at gaging station on right bank 800 ft (240 m) upstream from mouth at Orca Inlet, and 5.4 mi (8.7 km) northeast of Cordova.

DRAINAGE AREA.--4.37 mi^2 (11.32 km^2).

PERIOD OF RECORD.--Water temperatures: December 1973 to September 1975 (discontinued).

EXTREMES, 1974-75.--Water temperatures: Maximum, 8.0°C Aug. 3, 4; minimum, not determined.

EXTREMES.--
Period of record:
Water temperatures: Maximum and minimum, not determined.

REMARKS.--No record Oct. 1 to Mar. 6 due to malfunctioning thermograph.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
APR.						
17...	1815	78	14	25	.5	1

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1											---	---
2											---	---
3											---	---
4											---	---
5											---	---
6											---	---
7											0.5	0.5
8											0.5	0.5
9											0.5	0.5
10											0.5	0.5
11											0.5	0.5
12											0.5	0.5
13											0.5	0.5
14											1.0	0.5
15											1.0	1.0
16											1.0	1.0
17											1.0	0.5
18											0.5	0.5
19											0.5	0.5
20											0.5	0.5
21											0.5	0.5
22											0.5	0.5
23											0.5	0.5
24											0.5	0.5
25											0.5	0.5
26											0.5	0.5
27											0.5	0.5
28											0.5	0.5
29											0.5	0.5
30											1.0	0.5
31											1.0	1.0
MONTH											1.0	0.5

15216100 Humpback Creek near Cordova--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975 --Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.0	1.0	1.0	1.0	3.0	3.0	4.5	4.0	7.0	6.0	6.5	6.0
2	1.0	1.0	1.5	1.0	4.0	2.5	5.5	4.0	6.5	6.0	6.5	6.0
3	1.0	1.0	1.5	1.0	3.5	2.5	5.0	4.5	8.0	6.0	6.5	6.5
4	1.0	0.5	1.5	1.0	3.0	3.0	4.5	4.0	8.0	6.0	6.5	6.0
5	1.0	1.0	1.5	1.0	4.0	3.0	6.0	4.0	7.0	6.5	6.5	6.5
6	1.0	1.0	1.5	1.5	3.5	3.0	6.5	4.5	7.5	6.5	6.5	6.5
7	1.5	1.0	2.0	1.5	3.5	2.5	6.5	4.5	7.5	6.0	6.5	6.0
8	1.5	1.5	2.5	1.5	3.5	3.0	6.5	4.5	7.5	6.5	6.0	5.5
9	1.5	0.5	2.0	0.5	3.5	3.0	7.0	4.5	7.5	6.5	6.0	5.5
10	0.5	0.5	0.5	0.5	3.5	3.0	7.0	5.0	7.5	6.5	7.0	6.0
11	0.5	0.5	1.0	0.5	4.0	3.0	6.0	5.0	7.0	6.5	7.5	6.5
12	1.0	0.5	1.5	0.5	3.5	3.0	6.0	5.0	7.5	6.5	6.5	6.0
13	1.0	1.0	2.5	1.5	3.5	3.0	6.0	5.5	7.5	7.0	6.0	5.5
14	1.5	1.0	3.0	1.5	4.0	3.0	6.0	4.5	7.0	6.5	5.5	5.5
15	1.5	1.5	3.0	2.0	4.0	3.5	6.0	5.5	7.5	6.5	5.5	5.5
16	1.5	1.5	3.0	2.0	4.0	3.5	6.0	5.5	7.0	6.0	5.5	5.5
17	1.5	0.5	3.0	2.0	3.5	3.5	6.0	5.0	6.5	6.0	6.5	5.5
18	0.5	0.5	3.0	2.5	5.5	3.5	6.0	5.0	7.0	6.5	7.5	6.5
19	1.5	0.5	3.0	2.0	4.5	4.0	6.0	5.5	6.5	6.0	6.5	6.0
20	1.5	1.0	2.5	2.0	4.0	3.5	5.5	5.0	7.0	6.0	7.0	6.5
21	2.0	1.5	3.5	2.0	4.0	3.5	6.0	5.0	7.0	6.0	7.0	6.5
22	2.0	1.0	3.0	2.0	4.0	4.0	6.5	5.0	6.5	6.0	7.0	6.5
23	2.0	1.5	4.0	2.5	4.0	4.0	6.0	5.0	7.0	6.5	6.5	6.0
24	2.0	1.5	3.0	2.5	4.5	3.5	6.0	5.5	7.0	6.5	6.0	6.0
25	1.5	0.5	3.5	2.5	4.5	4.0	6.0	5.5	7.0	6.5	6.5	6.0
26	1.0	0.5	3.0	3.0	4.5	4.0	7.0	5.0	7.0	6.5	6.5	6.0
27	1.0	1.0	3.0	2.5	6.0	4.0	6.5	5.5	7.0	6.5	6.0	6.0
28	2.0	1.0	3.0	2.5	6.5	4.0	6.0	5.5	7.0	6.0	6.0	6.0
29	2.0	1.0	3.5	2.5	5.0	4.0	6.0	5.5	6.5	5.5	6.0	6.0
30	1.0	1.0	3.5	2.5	4.5	4.0	6.5	6.0	6.5	5.5	6.0	5.5
31	---	---	4.0	2.5	---	---	6.5	6.0	6.5	6.0	---	---
MONTH	2.0	0.5	4.0	0.5	6.5	2.5	7.0	4.0	8.0	5.5	7.5	5.5
YEAR	8.0											

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
APR.						
17...	1015	.5	1	78	1	.21
AUG.						
13...	1715	8.0	1	110	4	1.2

15219000 West Fork Olsen Bay Creek near Cordova

LOCATION.--Lat 60°45'41", long 146°10'20", in Chugach National Forest, temperature recorder at gaging station on left bank, 600 ft (200 m) upstream from confluence with East Fork, and 21 mi (34 km) northwest of Cordova.

DRAINAGE AREA.--4.78 mi^2 (12.38 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1970-71, 1975 (partial-record station).
Water temperatures: October 1964 to September 1975.
Sediment records: Water years 1970-73, 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 8.0°C Aug. 3-9, 15, 16, 25-27, and Sept. 2, 4; minimum, freezing point on many days during winter months.

EXTREMES.--
Period of record:
Water temperatures (1965-75): Maximum, 9.5°C Aug. 2, 1969; minimum, freezing point on many days during winter months of each year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
AUG.												
13...	1330	50	30	--	10	--	7	3.3	.06	.00	.12	.12
SEP.												
16...	1700	21	20	10	--	.6	--	2.3	.93	.00	.02	.02

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TANNIN AND LIGNIN (MG/L)
AUG.											
13...	.18	.00	18	5.9	7.5	0	--	12.0	14	2.6	.0
SEP.											
16...	.95	.00	23	6.8	6.5	0	10	12.5	--	.9	.0

DATE	TOTAL COPPER (CU) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG.				
13...	<10	--	<10	10
SEP.				
16...	<10	.0	--	20

SEE NEXT PAGE
FOR TEMPERATURE DATA

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG.						
13...	1330	7.5	0	50	2	.27
SEP.						
16...	1700	6.5	0	21	2	.11

15219000 West Fork Olsen Bay Creek near Cordova--Continued

TEMPERATURE (DEG. C) OF WATER. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.0	4.5	4.5	4.5	2.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
2	4.5	4.0	4.5	4.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3	4.0	3.5	5.0	4.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
4	4.0	3.5	4.5	4.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5	5.5	4.0	4.0	4.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6.0	5.5	4.0	4.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
7	6.0	6.0	4.0	4.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
8	6.0	5.5	4.0	4.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
9	5.0	4.5	4.0	4.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
10	4.5	4.0	4.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
11	5.0	4.5	3.0	3.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12	5.0	5.0	3.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.5	5.0	3.0	3.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5.5	5.5	3.0	3.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
15	5.5	5.0	3.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
16	5.0	5.0	3.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
17	5.0	4.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
18	4.5	4.5	1.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
19	4.5	4.5	1.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
20	4.5	4.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
21	4.5	4.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
22	4.5	4.0	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
23	4.5	4.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
24	4.5	4.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
25	4.5	4.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
26	4.5	4.0	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
27	4.5	4.5	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
28	4.5	3.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
29	4.0	4.0	2.0	2.0	0.5	0.5	0.0	0.0	---	---	0.0	0.0
30	4.5	4.0	2.0	2.0	0.5	0.5	0.0	0.0	---	---	0.0	0.0
31	4.5	4.5	---	---	0.5	0.5	0.0	0.0	---	---	0.0	0.0
MONTH	6.0	3.5	5.0	1.0	2.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	1.5	1.0	3.5	3.5	4.5	4.5	6.5	6.5	7.0	6.5
2	0.0	0.0	2.0	1.0	4.5	3.5	5.5	4.5	6.5	6.5	8.0	6.5
3	0.0	0.0	1.0	1.0	4.0	3.5	4.5	4.5	8.0	6.0	7.0	7.0
4	0.0	0.0	1.0	1.0	4.0	3.5	4.5	4.5	8.0	6.5	8.0	6.5
5	0.0	0.0	1.0	1.0	4.0	3.0	6.5	4.5	8.0	6.5	7.0	7.0
6	0.0	0.0	1.5	1.0	3.5	3.5	6.5	4.5	8.0	6.5	7.0	6.5
7	0.0	0.0	2.0	1.0	4.0	3.0	6.5	5.0	8.0	6.5	6.5	6.5
8	0.0	0.0	2.0	1.0	4.0	3.0	6.5	5.0	8.0	7.0	6.5	6.5
9	0.5	0.0	2.0	1.5	3.5	3.0	7.0	5.5	8.0	6.5	6.5	6.0
10	0.5	0.0	2.0	1.5	3.5	3.0	7.0	5.5	7.0	6.5	6.5	6.5
11	0.5	0.0	3.0	2.0	4.0	3.0	6.5	5.5	7.0	7.0	7.0	6.5
12	0.5	0.0	3.0	3.0	4.0	3.0	6.5	6.0	7.0	7.0	6.5	6.5
13	0.5	0.0	3.5	3.0	4.0	3.5	6.0	6.0	7.0	6.5	6.5	6.0
14	0.5	0.5	4.0	3.0	4.0	3.5	6.5	5.5	7.0	6.5	6.5	6.0
15	0.5	0.5	3.0	3.0	4.5	3.5	6.5	6.0	8.0	6.5	6.5	6.5
16	1.0	0.0	3.5	3.0	3.5	3.5	6.5	5.5	8.0	6.5	6.5	6.5
17	0.5	0.0	3.0	3.0	4.0	3.5	6.5	6.0	7.0	6.5	6.5	6.0
18	1.5	0.5	3.5	3.0	5.5	4.0	6.5	5.5	7.0	6.5	6.5	6.0
19	2.0	1.5	3.0	3.0	4.0	4.0	6.5	6.0	7.0	6.5	7.0	6.5
20	1.5	1.0	3.0	3.0	4.5	4.0	6.5	6.5	7.0	6.5	6.5	6.5
21	2.0	1.0	3.5	3.0	4.5	4.0	6.5	6.0	7.0	6.5	6.5	6.5
22	2.0	1.0	4.0	3.5	4.5	4.5	6.5	6.0	7.0	6.5	6.5	6.5
23	2.0	1.0	4.5	3.5	4.5	4.5	6.5	6.0	7.0	7.0	6.5	6.5
24	2.0	1.0	3.5	3.5	4.5	4.5	6.5	6.0	7.0	7.0	6.5	6.5
25	1.5	1.0	4.0	3.5	4.5	4.5	6.5	6.5	8.0	7.0	6.5	6.5
26	1.5	1.0	3.5	3.5	4.5	4.5	7.0	6.0	8.0	6.5	6.5	6.5
27	1.0	1.0	3.5	3.5	5.5	4.5	6.5	6.0	8.0	7.0	6.5	6.5
28	2.0	1.0	3.5	3.5	5.5	4.5	6.5	6.5	7.0	6.5	6.5	6.5
29	1.5	1.0	4.0	3.5	4.5	4.5	6.5	6.5	7.0	6.5	6.5	6.0
30	1.0	1.0	4.0	3.5	4.5	4.5	6.5	6.5	6.5	6.5	6.0	5.5
31	---	---	4.5	3.5	---	---	6.5	6.5	7.0	6.5	---	---
MONTH	2.0	0.0	4.5	1.0	5.5	3.0	7.0	4.5	8.0	6.0	8.0	5.5
YEAR	8.0	0.0										

15226600 Lowe River in Keystone Canyon near Valdez

LOCATION.--Lat 61°05'24", long 145°53'15", in SE¼NW¼ sec.14, T.9 S., R.4 W., temperature recorder at gaging station on left bank, 500 ft (150 m) south of south entrance to Richardson Highway tunnel, 1,000 ft (300 m) downstream from unnamed tributary, 1.8 mi (2.9 km) upstream from unnamed tributary, and 17.5 mi (28.2 km) east of Valdez.

DRAINAGE AREA.--222 mi² (575 km²).

PERIOD OF RECORD.--Water temperatures: June to September 1975.

EXTREMES, June to September 1975.--Water temperatures: Maximum, 6.5°C June 27; minimum, 1.5°C Aug. 29.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1					3.5	2.5	4.0	3.5	3.0	2.5	3.5	2.0
2					3.5	2.5	5.0	3.5	3.5	2.5	3.0	2.5
3					4.0	2.0	4.0	3.5	3.5	2.5	3.0	2.0
4					3.0	2.5	4.0	3.5	3.5	3.0	3.0	2.0
5					4.5	2.5	5.5	3.5	3.0	2.5	3.0	2.5
6					3.5	2.5	5.0	3.5	3.5	2.5	2.5	2.0
7					4.0	2.5	5.0	3.5	3.0	2.5	3.0	2.0
8					4.0	3.0	5.0	4.0	3.0	2.5	2.5	2.5
9					4.0	2.5	5.0	4.0	3.5	2.0	3.0	2.5
10					4.0	3.0	5.0	4.0	3.0	2.5	3.0	3.0
11					4.5	3.0	5.0	4.0	2.5	2.5	3.0	2.5
12					4.0	3.0	4.5	4.0	2.5	2.5	3.0	2.5
13					4.0	3.5	4.5	4.0	2.5	2.5	3.0	2.5
14					4.5	3.0	5.0	4.0	2.5	2.5	2.5	2.0
15					5.5	3.0	4.5	4.0	2.5	2.0	3.0	2.5
16					5.5	3.0	5.0	4.0	2.5	2.0	3.0	2.5
17					5.0	3.5	5.0	4.0	2.5	2.0	2.5	2.5
18					5.5	3.0	5.0	3.5	2.5	2.5	3.0	2.5
19					4.0	3.5	4.5	4.0	2.5	2.0	2.5	2.5
20					4.0	3.5	4.0	4.0	2.5	2.5	2.5	2.5
21					5.0	3.5	4.0	3.5	3.5	2.5	3.0	3.0
22					4.5	3.5	4.0	4.0	3.5	2.5	3.0	3.0
23					4.0	3.5	4.0	3.0	3.5	2.5	4.0	2.5
24					4.5	3.5	4.0	3.0	3.5	2.5	4.0	3.5
25					5.5	4.0	3.5	3.0	3.5	2.5	4.0	3.5
26					5.0	4.0	3.5	3.0	3.0	2.5	4.0	3.0
27					6.5	4.0	4.0	3.0	3.0	2.5	3.5	3.0
28					5.5	3.5	3.5	3.0	3.0	2.0	3.5	3.0
29					5.0	3.5	3.0	2.5	3.0	1.5	3.5	3.5
30					4.0	3.5	2.5	2.5	3.0	2.0	3.5	3.0
31					---	---	2.5	2.5	2.5	2.5	---	---
MONTH					6.5	2.0	5.5	2.5	3.5	1.5	4.0	2.0

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
JUNE 27...	1930	5.0	120	3230	855	7460	7	13	23	35	50
JULY 22...	1500	4.0	90	3860	595	6200	8	12	20	31	40
SEP. 03...	1100	2.0	20	1500	60	243	--	--	--	--	--

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM	SUS. SED. SIEVE DIAM. % FINER THAN 2.00 MM
JUNE 27...	62	74	86	95	99	100
JULY 22...	49	56	63	73	85	97
SEP. 03...	81	--	--	--	--	--

15238860 Tutka Lagoon Creek near Homer

LOCATION.--Lat 59°25'59", long 151°24'36", on line between sec.36, T.8 S., R.13 W., and sec.2, T.9 S., R.13 W., Kenai Peninsula Borough, temperature recorder at gaging station on left bank, 700 ft (200 m) upstream from mean high water in Tutka Bay Lagoon, and 15 mi (24 km) south of Homer.

DRAINAGE AREA.--10.8 mi² (28.0 km²).

PERIOD OF RECORD.--Chemical analyses: Water year 1974 (partial-record station).
Water temperatures: October 1973 to September 1975.
Sediment records: Water year 1974 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 9.5°C Aug. 10; minimum, freezing point on most days during winter months.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 11.5°C Aug. 13, 1974; minimum, freezing point most days during winter months.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.5	2.5	4.0	3.5	2.0	1.5	0.0	0.0	0.0	0.[illegible]	0.0	0.0
2	2.5	2.0	4.0	3.5	2.0	1.0	0.0	0.0	0.0	0.[illegible]	0.0	0.0
3	3.5	2.0	3.5	2.5	1.0	0.5	0.0	0.0	0.0	0.[illegible]	0.0	0.0
4	5.0	3.5	2.5	2.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5	6.0	5.0	2.5	2.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
6	6.0	6.0	2.5	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
7	6.0	4.5	3.0	2.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
8	4.5	3.5	2.5	3.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
9	3.5	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	3.5	2.0	2.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	3.5	2.5	3.0	0.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3.0	1.5	3.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
13	4.5	3.0	2.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
14	5.0	4.0	2.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	5.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	4.5	4.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	4.5	4.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	4.5	3.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3.5	2.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	2.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	4.5	2.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	4.0	3.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	4.0	3.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	4.0	3.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	4.0	4.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	4.0	4.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	4.0	4.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	4.0	3.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	4.0	3.5	1.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
30	4.0	3.5	2.0	1.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
31	4.0	3.5	---	---	0.0	0.0	0.0	0.0	---	---	0.0	0.0
MONTH	6.0	1.5	4.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

15238860 Tutka Lagoon Creek near Homer.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	0.5	0.5	3.5	2.0	5.5	3.0	8.0	5.5	7.5	6.5
2	0.0	0.0	0.5	0.5	3.5	2.0	6.0	2.5	8.0	5.5	7.5	6.0
3	0.0	0.0	0.5	0.5	3.5	1.5	4.5	3.5	8.5	4.5	7.5	6.5
4	0.0	0.0	0.5	0.5	3.5	2.0	5.0	3.0	8.0	4.5	8.0	7.0
5	0.0	0.0	1.0	0.5	3.5	2.0	6.5	3.0	7.5	5.0	8.0	6.0
6	0.0	0.0	1.0	1.0	3.5	2.0	7.0	3.0	8.5	5.0	6.5	6.0
7	0.0	0.0	1.0	1.0	4.0	2.0	6.5	4.0	8.0	4.5	6.5	6.0
8	0.0	0.0	1.0	1.0	3.0	2.0	6.5	3.5	7.0	5.5	6.5	5.5
9	0.0	0.0	1.0	0.5	3.0	2.0	7.0	3.5	8.5	5.5	6.0	5.0
10	0.0	0.0	0.5	0.0	3.5	2.0	7.0	4.0	9.5	5.0	7.0	6.0
11	0.0	0.0	0.5	0.0	4.0	2.0	7.0	4.0	7.5	5.5	7.0	6.5
12	0.0	0.0	1.0	0.5	3.0	2.0	5.0	4.5	7.0	6.0	7.5	5.5
13	0.0	0.0	1.5	1.0	4.5	2.5	5.0	4.0	6.5	5.5	7.0	5.5
14	0.0	0.0	2.0	1.5	4.5	2.5	6.0	4.0	7.5	5.5	7.0	5.0
15	0.0	0.0	2.5	1.5	5.0	2.5	7.0	3.5	7.0	5.5	7.0	6.0
16	0.0	0.0	3.0	1.5	4.5	2.0	6.0	3.5	7.0	6.0	7.5	6.5
17	0.0	0.0	3.5	1.5	3.5	2.5	7.0	4.5	7.5	5.5	8.0	7.5
18	0.0	0.0	3.5	1.5	3.5	2.0	6.5	4.0	7.5	6.0	8.0	7.0
19	0.0	0.0	2.5	1.5	3.5	2.5	6.5	4.5	6.5	6.0	7.0	6.5
20	0.0	0.0	2.5	1.5	5.0	2.5	5.5	4.5	7.5	5.5	6.5	6.5
21	0.0	0.0	2.0	1.5	5.5	2.5	6.0	4.5	8.5	5.0	6.5	6.5
22	0.0	0.0	3.5	1.5	3.5	3.0	6.0	4.5	7.5	6.0	7.0	6.5
23	0.5	0.0	4.5	1.5	3.5	2.5	5.5	5.0	7.5	5.0	7.0	5.5
24	0.5	0.5	3.5	2.0	5.5	2.5	6.5	4.5	7.5	5.0	7.5	6.0
25	0.5	0.5	3.0	2.5	4.0	2.5	7.0	4.5	8.0	5.5	7.0	6.5
26	0.5	0.5	3.0	2.0	6.0	2.5	7.5	5.0	8.0	6.5	7.0	6.0
27	0.5	0.5	3.5	1.5	5.5	3.0	7.5	4.5	7.5	5.0	7.0	6.0
28	0.5	0.5	3.0	2.0	6.0	3.5	8.0	4.5	8.0	5.5	7.0	6.5
29	0.5	0.5	3.0	2.0	4.0	3.0	6.5	5.5	7.5	4.5	6.5	6.5
30	0.5	0.5	3.5	1.5	4.5	3.0	6.5	4.5	7.5	6.0	6.5	5.5
31	---	---	3.0	1.5	---	---	7.0	5.0	7.5	7.0	---	---
MONTH	0.5	0.0	4.5	0.0	6.0	1.5	8.0	2.5	9.5	4.5	8.0	5.0
YEAR	9.5	0.0										

15266500 Beaver Creek near Kenai

LOCATION.--Lat 60°33'50", long 151°07'03", in SE¼ sec.36, T.6 N., R.11 W., Kenai Peninsula Borough, temperature recorder at gaging station on right bank, 25 ft (8 m) upstream from culvert on Kenai-Soldotna Road, 2.0 mi (3.2 km) upstream from mouth, and 4.5 mi (7.2 km) east of Kenai.

DRAINAGE AREA.--51 mi² (132 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: Water years 1968-72 (partial-record station).
Water temperatures: July 1968 to July 1972, May 1973 to July 1973, October 1973 to September 1975.

EXTREMES, 1974-75.--Water temperatures: Maximum, 14.0°C July 8-11; minimum, freezing point on most days during winter months.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 16.5°C June 14, 1969; minimum, freezing point on most days during winter months.

REMARKS.--No record Oct. 1-7 and Feb. 2 to Mar. 11 due to recorder malfunction. Recorder removed Sept. 11 because of highway construction.

TEMPERATURE (DEG. C) OF WATER. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	1.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	---	---
2	---	---	1.5	1.5	0.5	0.5	0.5	0.0	---	---	---	---
3	---	---	1.5	1.0	0.5	0.5	0.5	0.0	---	---	---	---
4	---	---	1.0	0.5	0.5	0.5	0.5	0.0	---	---	---	---
5	---	---	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
6	---	---	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
7	---	---	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
8	2.0	2.0	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
9	2.0	1.5	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
10	1.5	1.0	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
11	1.5	1.0	0.5	0.5	0.5	0.5	0.0	0.0	---	---	---	---
12	1.5	1.0	0.5	0.5	0.5	0.0	0.0	0.0	---	---	0.0	0.0
13	1.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
14	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
15	2.0	2.0	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
16	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
17	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
18	2.0	2.0	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
19	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
20	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.5	0.0
21	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.5	0.0
22	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.5	0.0
23	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.5	0.0
24	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.5	0.0
25	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.5	0.0
26	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
27	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
28	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0	---	---	0.0	0.0
29	1.5	1.5	0.5	0.5	0.5	0.0	0.0	0.0	---	---	0.0	0.0
30	1.5	1.[illegible]	0.5	0.5	0.5	0.0	0.0	0.0	---	---	0.0	0.0
31	1.5	1.0	---	---	0.0	0.0	0.0	0.0	---	---	0.0	0.0
MONTH	---	---	1.5	0.5	0.5	0.0	0.5	0.0	---	---	---	---

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15266500 Beaver Creek near Kenai--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	1.0	1.0	9.0	9.0	12.0	11.0	11.5	10.5	7.5	7.0
2	0.0	0.0	1.0	1.0	9.5	9.0	12.5	11.0	12.0	10.5	7.5	7.0
3	0.5	0.0	1.5	1.0	9.5	9.0	12.0	11.0	12.0	10.5	7.5	7.0
4	0.0	0.0	1.5	1.0	9.5	9.0	12.0	11.0	12.0	10.5	7.0	7.0
5	0.0	0.0	2.0	1.5	9.5	8.5	12.5	11.0	12.5	10.5	7.0	7.0
6	0.0	0.0	2.0	1.5	9.5	8.5	13.0	11.0	12.0	10.5	7.0	7.0
7	0.5	0.0	2.5	1.5	10.0	9.5	13.5	11.5	11.5	10.0	6.5	6.5
8	0.5	0.0	3.5	1.5	10.0	9.5	14.0	12.0	11.0	10.0	6.5	6.5
9	0.0	0.0	4.0	2.5	9.5	9.0	14.0	12.5	11.5	10.0	6.5	6.5
10	0.0	0.0	3.5	3.0	10.0	9.0	14.0	12.5	11.0	9.5	6.5	6.5
11	0.0	0.0	6.5	3.0	10.0	9.0	14.0	12.5	11.0	9.5	---	---
12	0.0	0.0	6.5	5.0	10.0	9.0	13.5	12.5	10.5	10.0	---	---
13	0.5	0.0	6.5	5.0	10.0	9.5	12.5	11.0	10.0	9.5	---	---
14	0.5	0.0	7.0	6.0	10.5	9.5	11.5	11.0	10.5	9.5	---	---
15	0.5	0.5	7.5	7.0	12.0	10.0	12.5	11.0	10.5	10.0	---	---
16	0.5	0.5	7.5	6.5	12.5	11.0	12.5	11.5	10.5	9.5	---	---
17	0.5	0.5	7.5	7.0	12.5	11.5	13.0	11.5	9.5	9.0	---	---
18	0.5	0.5	8.0	7.5	12.0	11.0	13.0	11.5	10.5	9.0	---	---
19	1.0	0.5	8.0	8.0	11.0	10.5	12.0	11.0	10.0	9.0	---	---
20	1.0	0.5	8.0	8.0	12.0	10.5	12.0	11.0	9.5	9.0	---	---
21	1.0	0.5	8.0	7.0	12.5	11.0	11.5	11.0	10.0	8.5	---	---
22	1.0	0.5	7.5	7.0	12.0	11.0	12.0	10.5	9.5	9.0	---	---
23	1.0	0.5	8.0	7.5	11.0	10.5	11.0	10.5	9.5	8.5	---	---
24	1.0	0.5	8.0	8.0	12.0	10.5	11.5	10.5	9.0	8.0	---	---
25	1.0	1.0	8.0	7.5	12.5	11.5	11.5	10.0	9.0	8.0	---	---
26	1.0	1.0	8.0	7.5	12.0	10.5	12.0	10.5	9.5	8.0	---	---
27	1.0	1.0	8.0	7.5	12.5	10.5	12.5	10.5	9.0	8.0	---	---
28	1.5	1.0	8.0	8.0	13.0	11.0	12.5	11.0	8.5	7.5	---	---
29	1.0	1.0	8.5	8.0	12.5	11.5	11.5	10.5	8.0	7.5	---	---
30	1.0	1.0	9.0	8.5	12.0	11.0	10.5	9.5	7.5	7.5	---	---
31	---	---	9.0	8.5	---	---	10.5	10.0	7.5	7.0	---	---
MONTH	1.5	0.0	9.0	1.0	13.0	8.5	14.0	9.5	12.5	7.0	---	---
YEAR	14.0	0.0										

15276570 Ship Creek below Power Plant at Elmendorf Air Force Base

LOCATION.--Lat 61°13'29", long 149°50'39", in SE¼ sec.8, T.13 N., R.3 W., Municipality of Anchorage, temperature recorder at gaging station on left bank, 0.5 mi (0.8 km) downstream from southwest corner of Elmendorf Air Force Base, 500 ft (150 m) downstream from North Sitka Street, and 2.0 mi (3.2 km) upstream from mouth.

DRAINAGE AREA.--115 mi² (298 km²).

PERIOD OF RECORD.--Water temperatures: October 1970 to September 1975.

EXTREMES, 1974-75.--Water temperatures: Maximum, 14.0°C Aug. 11, 26; minimum, 2.0°C Jan. 6, 7.

EXTREMES.--
Period of record:
Water temperatures (1972-75): Maximum, 18°C Aug. 15, 16, 1974; minimum, freezing point Jan. 13, 14, 1974.

REMARKS.--Prior to August 1972, sampling site was 0.5 mi (0.8 km) upstream.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.5	3.5	6.5	5.5	4.5	3.5	4.5	3.0	5.5	4.0	8.0	6.0
2	6.0	3.0	6.5	5.0	4.5	3.5	4.0	2.5	4.5	3.5	7.0	5.5
3	6.5	3.5	5.5	4.5	4.5	3.5	4.0	3.0	5.5	4.0	7.5	5.5
4	5.0	4.0	5.0	4.0	5.5	4.0	4.0	3.0	5.5	4.0	9.0	7.0
5	5.5	4.0	5.5	3.5	5.0	4.0	3.5	3.0	5.5	4.0	9.5	7.5
6	6.5	5.0	5.0	3.5	6.0	4.0	3.5	2.0	6.0	4.0	9.5	7.0
7	7.0	6.0	5.0	3.5	5.0	3.5	4.5	2.0	6.0	4.0	9.0	7.0
8	6.5	5.5	5.0	4.0	5.0	4.0	4.5	3.5	5.5	4.5	8.5	6.5
9	6.5	5.0	4.5	3.5	5.5	4.0	5.0	3.5	5.0	4.0	8.0	6.0
10	6.0	4.5	4.5	3.0	6.0	4.5	5.5	4.0	5.5	3.5	9.5	7.5
11	6.0	4.0	5.5	3.0	6.0	5.0	5.5	4.5	5.5	3.5	10.5	8.5
12	6.0	4.0	4.0	2.5	5.0	4.0	5.5	4.0	5.0	3.5	11.0	8.5
13	5.5	4.5	5.0	3.5	5.5	3.5	6.0	4.5	5.0	3.5	10.0	7.5
14	6.0	5.0	4.5	3.5	5.5	4.0	6.0	4.5	5.5	4.0	9.5	7.5
15	6.5	5.0	4.0	2.5	4.5	3.0	6.5	5.0	5.5	4.5	9.5	8.5
16	6.0	5.0	4.0	3.0	5.5	4.0	7.5	6.0	6.0	5.0	9.0	7.5
17	7.0	5.5	4.5	3.5	5.5	3.5	8.5	6.5	6.5	5.5	9.5	7.5
18	7.0	5.5	5.0	4.0	6.0	4.0	8.0	6.5	7.5	6.5	10.0	8.0
19	5.5	4.5	6.0	5.0	6.0	4.5	7.0	5.5	7.0	5.0	10.5	8.5
20	5.0	4.5	6.0	2.5	5.5	4.0	7.5	6.0	7.0	5.0	9.5	8.0
21	6.0	4.0	3.5	2.5	5.0	4.0	8.0	6.0	8.0	5.5	10.0	7.5
22	6.5	4.5	4.5	3.0	5.0	3.5	8.0	6.0	8.0	6.5	9.0	7.0
23	6.5	4.5	4.0	3.0	6.0	4.0	8.0	6.5	7.0	6.0	9.0	7.0
24	6.0	4.5	4.0	3.5	5.5	4.5	8.0	6.0	7.0	5.0	10.5	8.0
25	6.0	5.0	4.5	3.5	5.5	4.0	7.5	6.5	9.0	7.0	11.0	9.0
26	6.0	4.5	4.5	3.5	5.0	4.0	7.5	6.5	9.5	8.0	10.5	9.0
27	5.5	4.5	5.0	4.0	4.5	3.0	8.0	5.5	10.5	8.0	11.5	9.0
28	5.5	4.0	5.0	4.0	4.5	3.5	8.5	6.5	9.5	6.5	11.0	9.5
29	5.0	3.5	4.5	3.5	4.5	3.0	8.5	6.0	---	---	11.0	9.0
30	6.0	4.5	4.5	3.5	5.5	3.5	7.0	4.5	---	---	11.0	9.5
31	6.5	5.0	---	---	5.5	4.0	5.5	4.5	---	---	12.0	10.0
MONTH	7.0	3.0	6.5	2.5	6.0	3.0	8.5	2.0	10.5	3.5	12.0	5.5

Continued on next page

15276570 Ship Creek below Power Plant at Elmendorf Air Force Base--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	9.5	11.0	8.5	9.0	6.5	8.5	6.5	12.5	9.5	12.0	9.5
2	12.0	9.5	11.0	8.0	8.0	6.0	11.0	7.0	13.0	9.5	12.5	10.0
3	11.5	9.0	8.0	7.0	8.5	5.5	10.5	7.5	13.5	10.0	13.0	9.5
4	11.5	9.0	8.0	7.0	7.5	5.5	10.0	7.5	13.5	10.0	12.5	10.5
5	11.5	9.5	9.5	7.0	8.0	4.5	11.5	7.0	13.5	11.0	12.0	9.5
6	13.0	10.5	10.0	7.5	8.0	5.5	12.5	8.0	12.5	10.0	10.0	8.5
7	12.0	10.0	9.0	7.0	8.5	5.5	12.5	8.5	13.5	10.0	10.0	8.5
8	13.5	11.0	9.5	7.0	8.0	6.0	12.5	9.0	12.0	10.5	10.0	8.5
9	12.5	11.0	9.0	7.5	8.0	5.5	13.0	9.0	12.0	10.0	9.5	8.5
10	12.5	11.0	9.5	7.0	9.5	5.5	13.0	9.0	12.5	9.5	9.0	8.5
11	12.0	11.0	8.5	5.5	9.5	6.0	13.0	9.0	14.0	11.0	9.0	8.0
12	11.0	10.5	7.0	5.5	9.0	5.5	12.5	9.5	13.0	11.0	8.5	7.5
13	10.5	10.0	7.0	5.0	9.0	6.5	9.5	8.0	11.5	10.0	8.0	6.5
14	12.0	10.0	7.5	5.0	9.0	6.5	11.5	8.0	12.0	10.5	7.5	6.5
15	11.5	10.5	6.5	4.0	10.5	6.5	11.0	8.5	12.0	10.5	8.5	7.0
16	10.0	9.0	5.5	4.0	11.0	6.5	10.5	8.0	12.0	10.0	8.5	7.0
17	10.0	8.0	7.0	4.0	10.0	6.5	12.5	8.5	12.5	10.5	8.5	7.5
18	11.0	8.5	7.0	4.0	8.5	6.5	12.5	10.0	13.5	11.0	8.5	7.5
19	10.5	8.0	7.5	4.0	8.5	7.0	12.0	10.0	13.5	10.5	8.0	7.0
20	10.5	8.5	6.5	4.5	9.0	6.5	10.0	9.0	13.0	11.0	8.0	6.5
21	10.5	8.5	6.0	4.5	9.5	7.0	10.0	9.0	13.5	10.5	7.5	6.5
22	10.5	8.5	6.5	4.5	8.5	7.0	12.0	8.5	12.5	11.0	8.0	6.5
23	10.5	9.0	8.5	4.5	7.5	6.0	11.0	9.0	11.5	10.0	8.0	7.0
24	11.0	8.5	6.5	5.5	9.0	6.0	11.5	9.0	11.0	10.5	8.0	6.0
25	11.0	9.0	7.0	5.5	10.0	6.5	11.5	9.0	13.0	10.5	8.5	7.5
26	10.5	9.0	7.5	5.5	12.0	7.0	10.5	9.0	14.0	11.0	9.0	7.5
27	10.0	8.5	7.5	5.5	12.0	6.5	13.0	9.0	13.5	11.0	8.0	6.0
28	10.5	8.0	8.0	5.5	12.0	7.0	13.5	10.0	13.0	9.5	7.0	5.5
29	10.5	8.5	8.0	6.0	11.0	7.5	12.0	9.5	12.5	9.0	7.5	6.5
30	10.5	9.0	8.5	5.5	8.5	7.0	11.0	9.0	11.5	9.5	7.0	5.5
31	---	---	9.0	5.5	---	---	11.5	9.0	10.5	9.5	---	---
MONTH	13.5	8.0	11.0	4.0	12.0	4.5	13.5	6.5	14.0	9.0	13.0	5.5
YEAR	14.0	2.0										

15291000 Susitna River near Denali

LOCATION.--Lat 63°06'14", long 147°30'57", in NE¼ sec.10, T.21 S., R.1 E., Matanuska-Susitna Borough, temperature recorder at gaging station on upstream right pier of bridge on Denali Highway, 0.2 mi (0.3 km) downstream from Windy Creek, 3.3 mi (5.3 km) upstream from Butte Creek, and 5.3 mi (8.5 km) southwest of Denali.

DRAINAGE AREA.--950 mi² (2,460 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: Water years 1957-61, 1968-69 (partial-record station).
Water temperatures: August 1974 to September 1975.
Sediment records: Water years 1958-66, 1968-69, 1974-75 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 10.5°C June 15, 16; minimum, freezing point on most days during winter months.

REMARKS.--No record Oct. 1 to May 23 and Sept. 25-30, 1975 due to recorder malfunction.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1									---	---	5.0	2.5
2									---	---	5.5	2.5
3									---	---	5.5	2.0
4									---	---	5.0	1.5
5									---	---	4.5	1.0
6									---	---	4.5	1.0
7									---	---	4.5	1.0
8									---	---	4.5	1.0
9									---	---	4.0	1.0
10									---	---	5.0	2.0
11									---	---	5.0	3.5
12									---	---	4.5	3.0
13									---	---	4.5	2.5
14									---	---	4.5	3.0
15									---	---	4.5	2.5
16									---	---	4.5	2.0
17									---	---	4.0	1.0
18									---	---	4.0	2.0
19									---	---	3.0	2.0
20									---	---	3.5	2.5
21									---	---	3.5	2.5
22									---	---	3.0	2.0
23									---	---	3.0	2.5
24									---	---	3.5	3.0
25									---	---	3.5	2.5
26									---	---	3.5	2.5
27									---	---	3.0	1.5
28									---	---	2.5	0.5
29									6.0	3.0	1.5	0.5
30									5.5	3.0	0.5	0.5
31									5.5	2.5	---	---
MONTH									---	---	5.5	0.5

Continued

15291000 Susitna River near Denali--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	7.0	3.5	5.0	3.0	6.5	3.5	6.5	3.5
2			---	---	6.0	4.0	7.0	3.5	7.5	3.0	6.5	4.0
3			---	---	5.5	3.5	9.5	3.5	7.5	2.5	6.5	4.0
4			---	---	5.5	4.5	9.0	4.0	8.5	3.0	5.5	3.5
5			---	---	8.5	4.0	8.5	4.0	8.0	2.5	5.0	4.0
6			---	---	8.5	5.0	9.5	3.0	7.5	3.0	5.0	3.5
7			---	---	7.5	5.5	9.0	3.5	6.5	2.5	5.0	3.5
8			---	---	8.0	5.5	9.0	3.5	8.0	3.5	5.0	3.0
9			---	---	8.0	5.0	8.5	3.5	7.5	3.0	5.0	3.0
10			---	---	8.0	5.0	8.5	3.0	6.0	4.0	5.0	4.0
11			---	---	7.0	4.5	8.0	3.5	7.0	3.0	4.5	4.0
12			---	---	8.5	4.0	8.0	3.5	8.5	3.5	5.0	3.5
13			---	---	8.5	5.5	5.5	3.0	8.5	4.5	5.0	2.0
14			---	---	7.5	5.5	5.5	2.0	6.0	3.5	5.0	2.5
15			---	---	10.5	5.0	5.0	2.5	6.5	3.0	4.5	3.0
16			---	---	10.5	5.5	7.0	2.0	6.5	2.5	5.0	3.5
17			---	---	9.5	6.0	6.5	3.0	6.5	2.5	5.0	3.5
18			---	---	9.0	5.5	6.0	2.5	5.5	3.0	6.0	4.5
19			---	---	9.0	5.5	6.5	2.5	7.0	2.5	5.5	3.5
20			---	---	6.5	3.0	6.0	3.0	7.0	3.0	4.5	3.0
21			---	---	8.0	4.5	3.5	2.5	6.0	3.0	4.0	3.0
22			---	---	8.0	4.5	6.0	2.5	7.0	2.0	4.0	3.5
23			---	---	5.0	3.5	8.0	2.5	6.5	2.5	5.5	3.0
24			1.0	0.5	7.0	3.5	7.5	3.5	6.0	2.5	5.5	3.5
25			1.0	0.5	7.5	4.5	5.5	3.0	7.0	3.0	---	---
26			1.5	0.5	8.5	4.5	6.5	3.0	7.0	3.5	---	---
27			2.5	1.0	9.5	4.5	6.0	3.0	6.0	3.0	---	---
28			4.0	1.0	10.0	4.5	7.5	2.5	6.0	2.0	---	---
29			5.0	2.5	10.0	4.5	7.0	3.0	7.0	2.5	---	---
30			6.5	2.5	7.5	4.5	6.0	3.5	7.0	3.0	---	---
31			8.0	2.5	---	---	6.0	3.5	5.0	3.0	---	---
MONTH			---	---	10.5	3.0	9.5	2.0	8.5	2.0	6.5	2.0

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JUNE								
05...	2015	8.0	20	4100	868	9610	--	--
29...	1240	6.5	200	10000	998	26900	12	17
SEP.								
24...	1130	3.0	45	3780	231	2360	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
JUNE								
05...	--	--	--	16	20	33	78	100
29...	24	33	46	*64	*82	*94	*99	*100
SEP.								
24...	--	--	--	*39	*56	*81	*98	*100

*Sieve Analysis

15292000 Susitna River at Gold Creek

LOCATION.--Lat 62°46'04", long 149°41'28", in NW¼ sec.20, T.31 N., R.2 W., Matanuska-Susitna Borough, temperature recorder at gaging station near left bank under Alaska Railroad bridge, 0.1 mi (0.2 km) downstream from Gold Creek, 0.9 mi (1.4 km) north of Gold Creek railroad station, and 2.0 mi (3.2 km) downstream from Indian River.

DRAINAGE AREA.--6,160 mi² (15,950 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: Water years 1951-57 (fragmented); water years 1949, 1950, 1958, 1967, 1968, 1975 (partial-record station).
Water temperatures: June to September 1957, July 1974 to September 1975.
Sediment records: Water years 1952, 1957 (summer); water years 1953-56, 1962, 1967, 1974-75 (partial-record station).

REMARKS.--No record during winter period when recorder shut down and May 30 to Aug. 24, 1975 due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
JUNE 20...	1500	35500	4.9	120	10	12	1.3	3.0	1.1

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
JUNE 20...	38	0	6.3	3.9	.0	.03	.00	56	51

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JUNE 20...	35	4	90	7.7	6.5	35	25	1.2

Continued on next page

15292000 Susitna River at Gold Creek--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	12.5	10.0	10.5	10.5
2							---	---	12.0	10.0	10.5	10.0
3							---	---	11.0	10.0	10.5	9.5
4							---	---	13.0	10.0	10.0	9.0
5							---	---	13.5	10.0	9.0	8.0
6							---	---	13.0	10.0	8.0	7.5
7							---	---	11.5	11.0	8.0	7.0
8							---	---	11.5	10.0	8.0	7.0
9							---	---	11.0	9.5	8.0	7.0
10							---	---	11.0	9.0	8.0	7.5
11							---	---	11.5	10.0	8.0	7.5
12							---	---	10.5	9.5	8.0	6.5
13							---	---	11.0	9.5	8.5	8.0
14							---	---	12.5	10.0	8.5	8.0
15							---	---	13.5	11.5	8.5	8.0
16							---	---	13.5	11.5	8.0	8.0
17							---	---	12.5	11.5	8.0	7.5
18							---	---	12.5	10.5	8.0	7.0
19							---	---	11.5	9.5	7.5	7.5
20							---	---	10.5	8.5	7.5	7.5
21							---	---	10.0	8.0	7.5	7.5
22							---	---	9.0	7.0	7.5	7.5
23							---	---	8.0	5.5	7.5	7.0
24							---	---	8.0	6.0	7.0	7.0
25							---	---	8.0	7.0	7.5	7.0
26							---	---	8.0	7.5	7.0	7.0
27							---	---	8.0	7.5	7.0	6.5
28							---	---	9.5	8.0	6.5	6.0
29							---	---	10.0	9.5	6.0	5.5
30							14.5	12.5	10.5	9.5	6.0	6.0
31							13.0	10.0	10.5	10.0	---	---
MONTH							---	---	13.5	5.5	10.5	5.5

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.0	5.5	2.5	2.0								
2	6.5	6.0	2.5	2.0								
3	6.0	5.0	2.5	1.5								
4	5.0	4.5	2.0	1.0								
5	5.5	5.0	1.0	1.0								
6	6.5	5.5	1.0	1.0								
7	6.5	6.0	1.0	0.5								
8	6.5	6.0	1.0	1.0								
9	6.0	5.5	1.0	0.5								
10	6.0	5.5	1.0	0.5								
11	5.5	5.0	1.0	1.0								
12	5.0	4.5	1.5	1.0								
13	5.0	4.5	1.5	1.0								
14	5.5	5.0	1.0	1.0								
15	5.5	4.5	1.0	1.0								
16	5.0	4.5	1.5	1.0								
17	5.0	4.0	1.0	1.0								
18	4.0	3.5	---	---								
19	4.0	3.5	---	---								
20	3.5	3.0	---	---								
21	3.0	3.0	---	---								
22	3.0	1.0	---	---								
23	3.5	2.5	---	---								
24	4.0	3.5	---	---								
25	3.5	2.5	---	---								
26	2.5	2.0	---	---								
27	2.0	2.0	---	---								
28	2.0	1.5	---	---								
29	1.5	1.5	---	---								
30	2.5	1.5	---	---								
31	2.0	1.5	---	---								
MONTH	6.5	1.0	---	---								

15292000 Susitna River at Gold Creek--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975..Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---					---	---	9.0	7.0
2			---	---					---	---	9.0	7.5
3			---	---					---	---	9.5	7.5
4			---	---					---	---	9.0	7.5
5			---	---					---	---	7.5	6.0
6			---	---					---	---	7.0	6.0
7			---	---					---	---	7.0	6.0
8			---	---					---	---	6.5	5.0
9			---	---					---	---	6.5	5.5
10			---	---					---	---	6.0	5.0
11			---	---					---	---	6.0	5.5
12			---	---					---	---	6.0	5.0
13			---	---					---	---	5.5	4.5
14			---	---					---	---	6.0	4.0
15			---	---					---	---	6.0	4.5
16			---	---					---	---	6.0	5.5
17			---	---					---	---	6.0	5.5
18			---	---					---	---	6.5	6.0
19			2.0	1.5					---	---	6.0	3.5
20			3.5	1.0					---	---	6.0	5.0
21			4.0	1.5					---	---	6.0	5.5
22			2.5	1.5					---	---	6.0	5.0
23			4.0	1.5					---	---	6.0	4.0
24			4.0	1.5					---	---	6.0	5.0
25			4.0	2.5					10.5	9.5	5.5	5.5
26			6.0	2.0					9.5	8.5	---	---
27			5.0	3.5					10.0	7.5	---	---
28			5.0	3.5					8.5	6.5	---	---
29			5.0	3.5					9.0	6.0	---	---
30			---	---					8.0	7.0	---	---
31			---	---					8.5	7.0	---	---
MONTH			---	---					---	---	9.5	3.5

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
MAY 19...	1750	2.0	30	19400	660	34600	4	6
JUNE 20...	1500	6.5	35	35500	574	55000	5	8
JULY 17...	1500	11.5	320	28100	1130	85700	19	28
AUG. 25...	1400	10.0	75	15300	225	9300	--	--
SEP. 25...	1130	6.5	10	19500	56	2340	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM	SUS. SED. FALL DIAM. % FINER THAN 2.00 MM
MAY 19...	9	13	21	*34	*52	*78	*98	*100	--
JUNE 20...	11	18	32	*42	*60	*76	*93	*98	*100
JULY 17...	39	53	66	77	85	92	99	100	--
AUG. 25...	--	--	--	71	81	95	100	--	--
SEP. 25...	--	--	--	*43	*56	*76	*93	*100	--

* Sieve Analysis

15294350 Susitna River at Susitna Station

(National stream-quality accounting network station)

LOCATION.--Lat 61°32'41", long 150°30'45", in SE¼SE¼ sec.22, T.17 N., R.7 W., Matanuska-Susitna Borough, temperature recorder at gaging station on left bank at Susitna Station, 1.5 mi (2.4 km) downstream from Yentna River, and 12.5 mi (40.1 km) upstream from Alexander Creek.

DRAINAGE AREA.--19,400 mi² (50,200 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: January to September 1975 (partial-record station).
Biological analyses: January to September 1975 (partial-record station).
Water temperatures: May to September 1975.
Sediment records: January to September 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 14.0°C June 28, 29; minimum not determined.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
JAN.												
20...	1430	8590	10	360	60	30	10	20	28	4.1	7.8	2.5
MAR.												
12...	1100	7080	9.8	--	--	--	--	--	28	4.3	8.4	2.0
MAY												
23...	1700	81000	6.3	7900	150	160	150	10	11	2.1	3.2	1.1
JULY												
03...	1300	141900	4.7	--	--	--	--	--	20	2.2	2.3	1.5
30...	1230	[illegible]	4.6	--	--	--	--	--	18	2.0	2.6	1.5
AUG.												
27...	[illegible]	80600	4.7	16000	460	320	320	0	16	3.1	3.3	1.3

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
JAN.												
20...	86	0	17	13	.1	.23	.27	.50	.02	130	125	87
MAR.												
12...	83	0	16	15	.0	.21	.05	.26	.01	126	124	88
MAY												
23...	44	0	5.2	3.5	.1	.25	.76	1.0	.16	66	54	36
JULY												
03...	69	0	11	2.0	.2	.62	.58	1.2	.45	73	78	59
30...	49	0	12	2.3	.1	.08	.30	.38	.57	76	67	53
AUG.												
27...	53	0	13	2.6	.2	.10	.16	.26	.29	73	71	53

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN.											
20...	16	224	7.4	.5	1	10.6	5.5	B2	B1	<1	.9
MAR.											
12...	20	225	7.2	.0	3	12.0	8.4	B7	<1	<1	--
MAY											
23...	0	88	7.8	7.0	34	12.2	1.1	--	B8	B3	9.1
JULY											
03...	2	154	8.3	10.0	200	--	.6	B17	B19	B14	--
30...	13	115	8.0	10.5	240	--	.8	--	B50	B42	--
AUG.											
27...	9	123	7.8	10.0	150	--	1.3	--	--	--	11

15294350 Susitna River at Susitna Station--Continued
(National stream-quality accounting network station)

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSIS OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Jan 20	1430	CHRYSOPHYTA			Sediment sampler
		Bacillariophyceae			
		Pennales			
		Cymbellaceae			
		Cymbella	3	33	
		Meridionaceae			
		Meridion	5	67	
		TOTAL	8		
Mar 12	1100	TOTAL	0		Sediment sampler
May 23	1700	CHRYSOPHYTA			Sediment sampler
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Melosira	130	29	
		Pennales			
		Fragilariaceae			
		Fragilaria	130	29	
		Hannaea	130	29	
		Naviculaceae			
		Navicula	67	14	
		TOTAL	470		
July 3	1300	CHRYSOPHYTA			Sediment sampler
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Melosira			
		Pennales			
		Fragilariaceae			
		Fragilaria			
		Hannaea			
		Naviculaceae			
		Navicula	37	100	
		TOTAL	37		
July 30	1230	CHRYSOPHYTA			Sediment sampler
		Bacillariophyceae			
		Pennales			
		Naviculaceae			
		Stauroneis		0	
		TOTAL	0		
Aug 27	1200	CHRYSOPHYTA			Sediment sampler
		Bacillariophyceae			
		Pennales			
		Fragilariaceae			
		Hannaea	63	11	
		Synedra	63	11	
		Gomphonemataceae			
		Gomphonema	32	5	
		Naviculaceae			
		Navicula			
		CYANOPHYTA			
		Myxophyceae			
		Oscillatoriales			
		Nostocaceae			
		Anabaena	380	63	
		TOTAL	600		

PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2)		Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling Method
		Dry weight	Ash weight				
Jul 30	27	0.20	0.20	0.0	0.2	490	Polyethylene Strip

15294350 Susitna River at Susitna Station--Continued
(National stream-quality accounting network station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)
MAR.										
12...	1100	ND	--	ND	--	ND	--	ND	--	ND
MAY										
23...	1700	--	ND	--	ND	--	ND	--	ND	--

DATE	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
MAR.										
12...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY										
23...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	METH-OXY-CHLOR IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)
MAR.										
12...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY										
23...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	METHYL PARA-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL SILVEX (UG/L)
MAR.										
12...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY										
23...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
JAN.									
20...	1	0	1	10	10	0	0	0	0
MAY									
23...	6	6	0	<10	<10	0	0	0	0
AUG.									
27...	11	9	2	<10	<10	0	20	0	30

DATE	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
JAN.									
20...	<50	<50	0	140	140	1	<100	<98	2
MAY									
23...	<50	<50	0	60	54	6	<100	<97	3
AUG.									
27...	<50	<50	0	60	57	3	<100	<99	1

15294350 Susitna River at Susitna Station--Continued
(National stream-quality accounting network station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JAN. 20...	.0	.0	.0	1	1	0	30	20	10
MAY 23...	.0	.0	.0	0	0	0	60	40	20
AUG. 27...	.0	.0	.0	0	0	0	90	90	0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	9.0	8.5	10.5	10.0	10.5	10.0	---	---
2			---	---	9.0	8.0	10.5	10.0	11.5	10.0	---	---
3			---	---	8.0	7.0	10.0	10.0	12.0	11.0	---	---
4			---	---	8.0	6.5	10.5	10.0	12.0	11.5	9.0	9.0
5			---	---	8.0	6.5	10.5	10.5	11.5	11.5	9.0	9.0
6			---	---	8.0	7.0	11.5	10.5	11.5	11.5	9.0	8.5
7			---	---	8.5	7.0	11.5	11.5	11.5	11.0	8.5	8.0
8			---	---	9.0	8.0	12.0	12.0	11.0	11.0	8.0	8.0
9			---	---	9.0	8.5	12.0	12.0	11.0	10.5	8.0	8.0
10			---	---	10.5	8.5	12.5	12.0	11.0	10.5	8.0	8.0
11			---	---	10.0	9.0	13.0	12.5	11.0	10.5	8.0	7.5
12			---	---	9.5	9.0	13.0	12.5	11.0	10.5	7.5	7.5
13			---	---	9.5	9.0	12.5	11.5	10.5	10.5	7.5	7.5
14			---	---	9.5	9.0	11.5	11.0	10.5	10.5	7.5	6.5
15			---	---	9.5	9.0	11.0	11.0	11.0	10.5	7.5	6.5
16			---	---	10.5	9.5	11.0	10.5	11.0	11.0	7.5	7.0
17			---	---	10.5	10.0	10.5	10.5	11.0	11.0	7.0	7.0
18			---	---	10.0	9.5	11.0	10.5	11.0	10.5	7.5	7.0
19			---	---	9.5	9.5	11.0	10.5	10.5	10.5	7.5	7.0
20			---	---	9.5	9.0	10.5	10.0	10.5	10.5	7.0	7.0
21			---	---	9.0	9.0	10.0	10.0	10.5	10.5	7.0	6.5
22			---	---	9.0	9.0	10.0	10.0	10.5	10.0	7.5	7.0
23			7.0	6.5	9.0	8.5	10.0	10.0	10.0	10.0	7.5	6.5
24			7.0	6.0	9.0	8.5	10.0	10.0	10.5	10.0	7.0	6.5
25			7.0	6.0	10.5	9.0	10.0	10.0	10.5	10.0	7.0	6.5
26			7.0	5.0	12.0	10.0	10.0	10.0	10.0	10.0	8.0	7.0
27			8.0	7.0	13.0	11.5	10.0	10.0	10.0	10.0	8.0	7.5
28			8.0	7.0	14.0	12.0	10.5	10.0	---	---	7.5	7.0
29			8.5	7.5	14.0	12.0	10.5	10.5	---	---	7.0	7.0
30			8.5	7.0	12.5	10.5	10.5	10.5	---	---	7.0	6.5
31			9.0	7.0	---	---	10.5	10.5	---	---	---	---
MONTH			---	---	14.0	6.5	13.0	10.0	12.0	10.0	9.0	6.5

15294350 Susitna River at Susitna Station--Continued
(National stream-quality accounting network station)

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JAN. 20...	1430	.5	1	8590	6	139	--	--
MAR. 12...	1100	.0	3	7080	5	96	--	--
MAY 23...	1700	7.0	34	81000	417	91200	--	--
JULY 03...	1300	10.0	200	141000	994	378000	10	26
30...	1230	10.5	240	109000	561	165000	21	30
AUG. 27...	1200	10.0	150	80600	666	145000	10	17

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
JAN. 20...	--	--	--	*63	--	--	--	--
MAR. 12...	--	--	--	*65	--	--	--	--
MAY 23...	--	--	--	*26	*43	*69	*99	*100
JULY 03...	33	43	54	69	86	97	100	--
30...	40	52	63	*72	*82	*96	*100	--
AUG. 27...	24	32	40	47	55	72	99	100

* Sieve Analysis

296500 Falls Creek near Larsen Bay

LOCATION.--Lat 57°16'30", long 153°59'03", in SE¼NW¼ sec.36, T.33 S., R.30 W., Kodiak Island Borough, Kodiak National Wildlife Refuge, on Kodiak Island, temperature recorder at gaging station on right bank 0.2 mi (0.3 km) upstream from mouth, and 18 mi (29 km) south of Larsen Bay.

DRAINAGE AREA.--5.67 mi² (14.69 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1974-75 (partial-record station).
Water temperatures: July 1974 to August 1975 (discontinued).

EXTREMES, July to September 1974.--Water temperatures: Maximum, 15.0°C Aug. 21; minimum, 4.0°C Sept. 30.
October 1974 to August 1975.--Water temperatures: Maximum, 12.5°C Aug. 6, 10; minimum, freezing on many days during winter period.

ord July 8-16, 1975 due to recorder malfunction. Recorder removed Aug. 21, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT. 09...	1130	35	1.0	6.3	60	0	11	.7	2.6	.4
MAR. 06...	1200	.23	.5	5.6	30	110	11	.7	2.9	.4

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT. 09...	31	0	4.5	3.4	.0	.23	.10	.02	.15	.17
MAR. 06...	26	0	4.8	5.9	.0	.33	.32	.06	.22	.28

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 09...	.40	.00	.00	42	45	30	5	65	6.9
MAR. 06...	.61	.03	.00	51	45	30	9	60	6.8

DATE	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL SESTON (MG/L)	SESTON ASH WEIGHT (MG/L)	CHLOROPHYLL A (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 09...	3.5	0	0	13.0	6.2	.9	.4	.2	3.6
MAR. 06...	.5	1	3	13.8	6.6	--	--		

DATE	DISSOLVED COPPER (CU) (UG/L)
OCT. 09...	4

15296500 Falls Creek near Larsen Bay.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	10.0	8.0	10.0	8.0
2							---	---	10.5	8.0	10.5	7.0
3							---	---	12.0	8.0	10.5	7.0
4							---	---	12.5	7.0	9.5	8.0
5							---	---	11.5	7.5	9.5	7.5
6							---	---	12.0	8.5	8.5	7.5
7							---	---	9.5	8.5	9.5	8.0
8							---	---	9.0	8.0	9.5	8.0
9							---	---	9.0	8.0	9.0	8.0
10							---	---	9.5	7.5	9.5	8.5
11							---	---	10.5	8.5	9.5	8.5
12							---	---	12.5	8.5	9.0	8.5
13							---	---	13.5	8.5	8.5	7.5
14							---	---	13.5	9.5	8.0	7.5
15							---	---	13.5	9.0	8.0	6.0
16							---	---	12.5	10.0	7.5	6.5
17							---	---	13.5	8.5	7.5	7.0
18							---	---	13.0	8.5	7.5	7.0
19							---	---	14.0	8.5	8.0	6.5
20							---	---	14.0	9.0	8.0	7.0
21							---	---	15.0	9.5	8.0	7.0
22							---	---	14.5	8.5	8.5	7.0
23							---	---	13.5	10.0	8.0	7.5
24							---	---	12.0	9.0	8.0	7.0
25							---	---	10.5	9.0	7.0	6.5
26							12.0	7.5	10.0	8.5	6.5	6.0
27							13.0	7.0	10.5	9.5	6.0	5.5
28							10.0	8.0	11.5	9.0	6.0	4.5
29							10.0	8.0	10.5	9.5	6.5	4.5
30							10.0	7.5	10.0	9.5	5.5	4.0
31							10.0	8.0	9.5	8.5	---	---
MONTH							---	---	15.0	7.0	10.5	4.0
PERIOD	15.0	4.0										

Continued on next page

15296500 Falls Creek near Larson Bay.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.5	3.0	3.0	2.5	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
2	4.0	2.5	3.5	3.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
3	4.5	2.5	3.0	2.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
4	6.0	4.5	2.0	2.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
5	6.0	6.0	2.0	2.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
6	6.0	5.0	2.0	1.5	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
7	5.0	4.0	1.5	1.5	1.0	1.0	0.0	0.0	0.5	0.0	0.5	0.5
8	4.5	4.0	2.0	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5
9	4.5	3.5	1.5	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5
10	3.5	2.5	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5
11	4.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5
12	4.0	3.0	2.0	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5
13	5.0	4.0	1.5	1.5	1.0	1.0	0.0	0.0	0.5	0.0	0.5	0.5
14	5.0	4.5	1.5	1.5	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
15	5.0	4.5	1.5	1.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
16	4.5	3.5	1.0	1.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
17	4.0	3.5	1.0	1.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
18	3.5	2.5	1.0	1.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
19	2.5	1.5	1.0	1.0	1.0	1.0	0.0	0.0	0.5	0.5	0.5	0.5
20	2.0	1.5	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	0.5
21	3.5	2.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22	4.0	3.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
23	4.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
24	4.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
25	4.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26	4.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
27	4.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28	4.0	3.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	3.5	2.5	1.0	1.0	0.5	0.5	0.5	0.5	---	---	0.5	0.5
30	3.0	2.5	1.0	1.0	0.5	0.5	0.5	0.5	---	---	0.5	0.5
31	3.0	2.5	---	---	0.5	0.0	0.5	0.5	---	---	0.5	0.5
MONTH	6.0	1.5	3.5	1.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.5	0.5	4.5	2.5	4.5	3.5	8.0	4.0	9.5	6.5		
2	0.5	0.5	5.0	2.5	7.5	3.0	9.0	4.5	12.0	7.0		
3	0.5	0.5	3.0	2.5	5.0	3.5	6.5	5.0	12.0	6.5		
4	0.5	0.5	3.0	2.5	4.5	3.0	7.0	4.5	11.0	7.0		
5	0.5	0.5	3.5	2.5	4.5	4.0	9.5	4.5	11.5	8.0		
6	0.5	0.5	5.5	2.5	4.0	3.5	9.5	5.0	12.5	7.0		
7	0.5	0.5	5.0	2.5	6.0	3.5	10.5	5.5	10.0	8.0		
8	0.5	0.5	4.0	2.5	5.0	4.0	---	---	12.0	7.5		
9	0.5	0.5	6.0	2.5	5.5	4.0	---	---	10.5	7.5		
10	0.5	0.5	4.0	2.5	6.5	4.0	---	---	12.5	8.0		
11	1.0	0.5	3.5	2.5	6.5	3.5	---	---	10.0	7.5		
12	1.5	1.0	5.0	2.5	4.5	4.0	---	---	9.5	8.5		
13	1.0	1.0	4.0	2.5	5.0	4.0	---	---	9.5	8.0		
14	1.5	1.0	4.0	2.5	4.5	4.0	---	---	9.5	8.0		
15	1.5	1.5	5.5	2.5	8.0	4.0	---	---	10.0	8.0		
16	1.5	1.5	4.5	2.5	6.5	3.5	---	---	11.0	8.0		
17	1.5	1.0	6.5	3.0	7.5	3.5	8.5	6.5	10.0	8.0		
18	2.0	1.0	6.5	2.5	5.0	4.0	7.5	6.5	9.0	8.0		
19	2.5	1.0	3.5	3.0	4.0	3.5	8.0	6.5	9.5	8.0		
20	2.0	2.0	5.5	3.0	7.5	3.5	9.5	6.5	9.5	7.5		
21	2.5	2.0	4.0	2.5	8.0	4.0	9.0	7.0	---	---		
22	2.5	2.0	6.0	2.5	6.0	4.0	8.5	6.5	---	---		
23	4.0	2.0	7.5	2.5	4.5	4.0	9.5	7.0	---	---		
24	2.0	1.5	4.5	3.0	6.0	3.5	9.5	7.0	---	---		
25	1.5	1.5	4.0	3.5	5.5	4.0	9.0	6.5	---	---		
26	3.0	1.5	3.5	3.0	7.5	3.0	12.0	6.0	---	---		
27	4.0	2.0	4.5	3.0	6.5	4.5	12.0	7.5	---	---		
28	4.5	2.5	4.5	3.0	6.5	4.5	11.0	7.0	---	---		
29	4.5	2.5	4.5	3.0	5.5	4.0	9.5	8.0	---	---		
30	3.5	2.5	6.0	3.0	4.5	4.0	8.5	7.0	---	---		
31	---	---	5.5	3.0	---	---	11.0	6.5	---	---		
MONTH	4.5	0.5	7.5	2.5	8.0	3.0	---	---	---	---		
YEAR	12.5	0.0										

15296520 Canyon Creek near Larsen Bay

LOCATION.--Lat 57°17'00", long 153°58'52", in SE¼SW¼ sec.25, T.33 S., R.30 W., Kodiak Island Borough, Kodiak National Wildlife Refuge, on Kodiak Island, temperature recorder at gaging station on left bank 0.6 mi (1.0 km) upstream from mouth, and 17 mi (27 km) south of Larsen Bay.

DRAINAGE AREA.--8.82 mi² (22.84 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1974-75 (partial-record station).
Water temperatures: July 1974 to September 1975.

EXTREMES, July to September 1974.--Water temperatures: Maximum, 14.0°C Aug. 4, 13-15, 17, 19, 21; minimum, 5.5°C July 27, Sept. 30.
1974-75.--Water temperatures: Maximum, 11.5°C Aug. 6; minimum, freezing point on many days during winter.

REMARKS.--No record July 1-16, 1975, due to recorder malfunction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT.										
09...	1210	59	1.0	6.1	20	0	9.1	1.8	2.6	.2
MAR.										
06...	1300	9.6	.5	5.8	0	0	12	2.3	3.3	.5
JUNE										
04...	1535	81	.0	5.1	10	0	8.1	2.0	3.1	1.0

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.										
09...	38	0	4.9	3.3	.0	.13	.13	.02	.12	.14
MAR.										
06...	37	0	6.5	5.8	.0	.21	.20	.01	.23	.24
JUNE										
04...	30	0	3.0	4.2	.0	.14	.14	.01	.01	.02

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT.									
09...	.27	.01	.00	45	47	30	0	70	7.2
MAR.									
06...	.45	.00	.00	57	55	39	9	80	7.2
JUNE									
04...	.16	.01	.01	39	42	28	3	70	6.7

DATE	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL SESTON (MG/L)	SESTON ASH WEIGHT (MG/L)	CHLOROPHYLL A (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.									
09...	4.0	0	3	13.0	3.8	1.0	.6	.1	2.2
MAR.									
06...	.5	1	5	14.5	3.7	--	--	--	--
JUNE									
04...	4.5	1	2	12.5	9.6	--	--	--	2.0

DATE	DISSOLVED COPPER (CU) (UG/L)
OCT.	
09...	8

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	10.0	7.5	10.0	8.5
2							---	---	10.0	7.5	10.5	7.5
3							---	---	12.0	7.0	10.0	7.5
4							---	---	14.0	6.0	9.5	8.5
5							---	---	10.5	6.5	9.5	8.0
6							---	---	12.5	8.0	9.0	8.0
7							---	---	9.5	8.0	9.0	8.5
8							---	---	9.0	7.5	9.0	8.5
9							---	---	9.0	8.0	9.0	8.5
10							---	---	9.5	7.5	9.5	8.5
11							---	---	11.0	8.0	9.5	8.5
12							---	---	13.5	8.0	9.0	8.5
13							---	---	14.0	8.0	8.5	8.0
14							---	---	14.0	8.5	8.5	8.0
15							---	---	14.0	7.5	8.5	7.0
16							---	---	13.0	9.0	8.0	7.0
17							---	---	14.0	7.5	8.0	7.5
18							---	---	13.5	7.0	8.0	7.5
19							---	---	14.0	7.0	8.5	7.5
20							---	---	13.0	7.0	8.5	8.0
21							---	---	14.0	7.5	9.0	7.5
22							---	---	11.0	6.5	8.5	7.5
23							---	---	10.0	8.0	8.5	8.0
24							---	---	10.0	7.5	8.5	7.5
25							---	---	9.5	8.0	7.5	7.0
26							11.0	6.5	9.0	8.0	7.0	6.5
27							13.0	5.5	10.5	8.5	7.0	6.5
28							10.5	6.5	11.0	9.5	6.5	6.0
29							9.5	7.0	10.5	9.5	6.5	6.0
30							9.5	7.0	10.0	9.5	6.5	5.5
31							9.5	7.5	9.5	8.5	---	---
MONTH							---	---	14.0	6.0	10.5	5.5

Continued on next page

15296520 Canyon Creek near Larsen Bay.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.0	5.0	4.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5
2	5.0	4.0	4.0	3.5	1.0	0.5	0.0	0.0	0.0	0.0	1.0	0.5
3	5.0	3.5	4.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	1.0	1.0
4	6.0	5.0	3.5	3.0	1.0	0.5	0.0	0.0	0.0	0.0	1.0	1.0
5	6.5	6.0	3.5	3.0	1.5	1.0	0.0	0.0	0.0	0.0	1.0	1.0
6	6.5	6.0	3.0	2.5	1.0	0.5	0.0	0.0	0.5	0.0	1.0	0.5
7	6.0	5.0	3.0	2.5	1.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
8	5.5	5.0	3.5	3.0	1.0	0.5	0.0	0.0	0.5	0.5	0.5	0.5
9	5.0	4.0	3.0	1.5	0.5	0.5	0.0	0.0	0.5	0.5	1.0	0.5
10	4.5	3.0	2.0	1.0	1.0	0.5	0.0	0.0	0.5	0.5	1.0	1.0
11	5.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.5	0.5	1.0	1.0
12	4.5	3.5	3.0	2.5	1.0	1.0	0.0	0.0	0.5	0.5	1.0	1.0
13	5.5	4.5	3.0	2.5	1.0	1.0	0.0	0.0	0.5	0.5	1.0	1.0
14	5.5	5.0	3.0	2.0	1.0	0.5	0.0	0.0	0.5	0.5	1.0	1.0
15	5.5	5.0	2.5	1.5	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0
16	5.0	4.5	3.0	2.0	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0
17	5.0	4.0	2.5	1.5	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0
18	4.5	3.5	2.0	1.0	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0
19	4.0	2.5	1.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	1.0	0.5
20	3.0	2.0	2.0	1.0	0.5	0.5	0.5	0.0	0.5	0.5	1.0	0.5
21	4.0	3.0	2.0	1.0	0.5	0.5	0.5	0.0	0.5	0.5	1.0	1.0
22	4.0	3.5	1.0	0.5	0.5	0.0	0.5	0.0	0.5	0.5	1.0	1.0
23	4.5	4.0	1.0	0.5	0.5	0.5	0.5	0.0	0.5	0.5	1.0	1.0
24	4.5	4.5	1.0	0.0	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0
25	4.5	4.5	2.0	1.0	0.5	0.5	0.5	0.0	0.5	0.5	1.0	1.0
26	4.5	4.0	1.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	1.0	1.0
27	4.5	4.5	2.0	1.0	0.5	0.5	0.5	0.0	0.5	0.5	1.0	1.0
28	4.5	3.5	2.0	2.0	0.5	0.0	1.0	0.5	0.5	0.5	1.0	1.0
29	4.0	3.0	2.0	1.0	0.0	0.0	1.0	0.5	---	---	1.5	1.0
30	4.0	3.5	1.0	0.5	0.0	0.0	0.5	0.0	---	---	1.5	1.0
31	4.0	3.0	---	---	0.0	0.0	0.0	0.0	---	---	1.5	1.5
MONTH	6.5	2.0	4.0	0.0	1.5	0.0	1.0	0.0	0.5	0.0	1.5	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.5	1.5	4.5	3.0	6.0	5.0	---	---	8.0	6.5	8.5	6.5
2	1.5	1.0	5.0	3.0	6.5	5.0	---	---	7.5	6.5	7.5	6.5
3	1.0	1.0	4.0	3.0	6.0	5.0	---	---	8.5	6.5	8.0	5.5
4	1.0	1.0	4.0	2.5	5.5	5.0	---	---	10.0	6.5	8.0	5.0
5	1.5	1.0	4.5	3.0	5.5	4.5	---	---	10.5	7.0	7.5	6.5
6	2.0	1.5	5.5	3.0	5.0	4.5	---	---	11.5	5.5	7.0	6.0
7	2.0	1.5	5.0	3.0	6.5	4.5	---	---	9.0	7.0	7.0	5.5
8	2.0	1.5	4.5	3.5	5.5	4.5	---	---	11.0	6.5	8.0	6.0
9	2.5	2.0	5.5	3.0	5.5	4.5	---	---	9.5	7.0	7.0	5.5
10	2.5	2.0	5.0	3.0	5.5	5.0	---	---	11.0	7.0	7.0	6.5
11	3.0	2.0	5.0	3.0	6.0	5.0	---	---	9.0	6.5	7.5	6.5
12	2.5	1.5	5.0	2.5	5.5	5.0	---	---	8.5	7.5	7.5	6.5
13	2.5	2.0	5.0	3.5	5.5	4.5	---	---	8.5	7.0	7.5	5.0
14	3.0	2.0	5.0	3.0	5.5	5.0	---	---	8.5	7.0	7.5	6.5
15	2.5	2.0	6.0	3.0	7.5	4.5	---	---	8.5	7.0	7.0	6.5
16	2.5	2.0	5.0	3.5	6.5	4.5	---	---	9.5	7.0	7.5	6.5
17	2.0	1.5	6.5	3.5	8.0	4.5	6.5	5.0	9.0	7.0	8.5	7.5
18	2.5	1.5	6.5	3.0	6.5	5.0	6.5	5.5	8.5	7.0	8.5	7.0
19	3.0	1.5	5.5	3.5	5.0	4.0	6.5	5.5	8.5	7.0	7.0	6.5
20	3.0	2.0	6.0	4.5	7.0	4.5	6.5	6.0	9.0	6.5	7.5	6.5
21	4.0	2.5	5.0	4.0	7.5	5.0	7.0	6.0	9.0	5.5	7.0	6.0
22	3.5	2.5	6.5	3.5	7.5	5.0	7.0	5.5	9.5	6.5	7.5	6.5
23	4.0	2.5	7.5	4.0	6.5	5.0	8.0	6.0	8.5	6.0	7.5	6.5
24	3.5	2.5	6.0	4.0	6.0	5.0	7.5	6.0	8.0	6.5	7.5	6.5
25	2.5	2.0	6.0	4.5	6.0	5.5	7.5	6.0	10.0	5.5	7.0	6.5
26	3.5	2.5	5.0	4.5	7.5	5.0	8.5	5.5	8.5	6.5	8.0	6.5
27	4.0	2.0	6.5	4.5	7.5	5.5	8.5	6.5	9.5	7.0	7.5	5.5
28	4.0	2.0	6.0	4.5	6.5	5.5	8.0	6.5	11.0	5.5	7.5	6.5
29	4.5	3.0	5.5	4.5	6.5	5.0	7.0	6.5	8.5	5.5	7.5	6.5
30	4.0	3.0	6.5	4.5	5.5	4.5	7.0	6.0	11.0	7.0	7.5	6.5
31	---	---	6.0	5.0	---	---	7.5	6.0	8.5	7.0	---	---
MONTH	4.5	1.0	7.5	2.5	8.0	4.0	---	---	11.5	5.5	8.5	5.0
YEAR	11.5	0.0										

15296550 Upper Thumb River near Larsen Bay

LOCATION.--Lat 57°21'03", long 153°58'04", in NE¼NE¼ sec.1, T.33 S., R.30 W., Kodiak Island Borough, Kodiak National Wildlife Refuge, on Kodiak Island, temperature recorder at gaging station on right bank 0.2 mi (0.3 km) downstream from confluence of East and North Forks, 0.3 mi (0.5 km) upstream from mouth at Thumb Lake, and 13 mi (21 km) south of Larsen Bay.

DRAINAGE AREA.--18.8 mi^2 (48.7 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1974-75 (partial-record station).
Water temperatures: July 1974 to September 1975.

EXTREMES, July to September 1975.--Water temperatures: Maximum, 14°C Aug. 16; minimum, 5.0°C Sept. 30.
1974-75.--Water temperatures: Maximum, 11.5°C Aug. 6, 10; minimum, 0.5°C Jan. 2 to Feb. 9, Mar. 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT. 09...	1425	98	1.0	6.7	20	0	8.3	1.3	3.2	.4
JAN. 08...	1100	12	--	--	--	--	--	--	--	--
JUNE 03...	1740	224	.0	5.5	0	10	6.9	.4	3.6	.2

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT. 09...	32	--	4.3	3.8	.0	.15	.14	.03	.07	.10
JAN. 08...	--	--	--	--	--	--	--	--	--	--
JUNE 03...	28	0	2.0	4.9	.0	.16	.16	.00	.04	.04

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 09...	.25	.00	.00	47	44	26	0	80	7.0
JAN. 08...	--	--	--	--	--	--	--	84	7.1
JUNE 03...	.20	.00	.01	32	38	19	0	65	7.5

DATE	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL SESTON (MG/L)	SESTON ASH WEIGHT (MG/L)	CHLOROPHYLL A (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 09...	4.0	0	0	12.8	5.1	.7	.2	.3	1.5
JAN. 08...	.5	--	--	--	--	--	--	--	--
JUNE 03...	4.0	1	0	12.8	1.4	--	--	--	1.4

DATE	DISSOLVED COPPER (CU) (UG/L)
OCT. 09...	3

15296550 Upper Thumb River near Larsen Bay.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	9.5	7.5	11.5	9.0
2							---	---	10.5	7.5	11.5	8.0
3							---	---	13.0	6.5	12.0	8.0
4							---	---	13.0	6.0	11.0	8.5
5							---	---	11.5	6.5	10.0	8.5
6							---	---	13.0	8.0	9.5	8.0
7							---	---	10.5	8.0	10.0	8.5
8							---	---	10.0	7.5	10.0	8.5
9							---	---	9.0	7.5	9.0	8.5
10							---	---	9.5	7.0	11.0	8.0
11							---	---	11.0	7.5	10.5	8.5
12							---	---	13.5	8.0	10.5	8.5
13							---	---	13.5	6.5	9.0	7.5
14							---	---	13.0	7.5	8.5	8.0
15							---	---	13.0	7.0	9.0	6.5
16							---	---	14.0	8.0	8.5	7.0
17							---	---	13.5	7.5	9.0	7.5
18							---	---	13.5	7.5	9.0	7.5
19							---	---	13.5	7.5	9.0	7.5
20							---	---	12.5	7.0	8.5	8.0
21							---	---	13.5	7.0	9.5	7.5
22							---	---	11.0	6.5	9.0	7.0
23							---	---	10.0	8.0	9.0	7.5
24							---	---	10.5	8.0	8.5	7.5
25							---	---	9.5	7.5	7.5	7.0
26							---	---	9.5	7.5	7.0	6.5
27							13.5	6.5	11.5	8.5	7.0	6.5
28							12.5	6.0	13.0	9.0	6.5	5.5
29							11.5	7.0	11.5	9.5	6.5	5.5
30							10.5	7.5	11.0	10.0	6.0	5.0
31							10.5	7.5	10.5	9.5	---	---
MONTH							---	---	14.0	6.0	12.0	5.0

Continued on next page

15296550 Upper Thumb River near Larsen Bay.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.0	4.0	3.0	2.5	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0
2	4.5	4.0	3.0	2.5	1.5	1.5	1.0	0.5	0.5	0.5	1.0	1.0
3	5.0	4.0	3.0	2.5	1.5	1.5	0.5	0.5	0.5	0.5	1.0	1.0
4	6.5	5.0	2.5	2.5	1.5	1.5	0.5	0.5	0.5	0.5	1.0	1.0
5	6.5	6.0	2.5	2.5	1.5	1.5	0.5	0.5	0.5	0.5	1.0	1.0
6	6.5	5.5	2.5	2.5	1.5	1.5	0.5	0.5	0.5	0.5	1.0	1.0
7	5.5	5.0	2.5	2.5	1.5	1.5	0.5	0.5	0.5	0.5	1.0	1.0
8	5.0	4.5	2.5	2.5	1.5	1.5	0.5	0.5	0.5	0.5	1.5	1.0
9	5.0	4.0	2.5	2.0	1.5	1.5	0.5	0.5	1.0	0.5	1.5	1.5
10	4.0	3.5	2.0	2.0	1.5	1.0	0.5	0.5	1.0	1.0	1.5	1.5
11	4.5	3.5	2.5	2.0	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.5
12	4.0	3.5	2.5	2.0	1.0	1.0	0.5	0.5	1.0	1.0	2.0	1.5
13	5.0	4.0	2.0	2.0	1.5	1.0	0.5	0.5	1.0	1.0	1.5	1.5
14	5.0	4.5	2.0	2.0	1.5	1.5	0.5	0.5	1.0	1.0	2.0	1.0
15	5.0	4.5	2.0	1.5	1.5	1.5	0.5	0.5	1.0	1.0	2.0	1.5
16	4.5	4.0	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	2.0	1.0
17	4.5	4.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.5
18	4.0	3.5	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.0
19	3.5	3.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.0
20	3.0	3.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.0
21	3.5	3.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.0
22	4.5	3.5	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.0
23	4.5	4.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.0
24	4.5	4.5	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.0
25	4.5	4.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0	1.0
26	4.0	4.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	0.5
27	4.0	4.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	2.0	1.0
28	4.0	3.5	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.5	1.0
29	3.5	3.0	1.5	1.5	1.0	1.0	0.5	0.5	---	---	1.5	1.0
30	3.0	3.0	1.5	1.5	1.0	1.0	0.5	0.5	---	---	2.0	1.0
31	3.0	3.0	---	---	1.0	1.0	0.5	0.5	---	---	1.5	1.0
MONTH	6.5	3.0	3.0	1.5	1.5	1.0	1.0	0.5	1.0	0.5	2.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.5	1.0	4.5	2.0	4.0	3.0	8.0	4.5	9.0	6.5	8.5	7.0
2	1.0	1.0	5.5	2.0	6.5	3.0	8.5	4.5	10.5	6.5	8.0	7.0
3	1.5	1.0	5.0	2.5	4.5	3.0	6.5	5.0	11.0	6.5	8.5	6.0
4	1.5	1.0	3.5	2.0	4.5	3.0	8.0	4.5	10.0	6.0	8.0	6.0
5	1.0	1.0	4.0	2.0	4.5	3.5	9.0	5.0	10.5	7.0	8.0	7.0
6	2.0	1.0	5.5	2.0	4.0	3.5	9.5	5.0	11.5	6.5	7.5	6.5
7	2.0	1.0	4.0	2.5	6.0	3.0	9.5	5.5	9.5	7.0	8.0	6.0
8	2.0	1.5	4.0	2.5	4.5	3.5	9.5	5.0	10.5	6.5	8.0	6.5
9	2.0	1.5	5.0	2.0	5.0	3.0	10.0	5.5	10.0	7.0	7.0	6.0
10	2.0	1.0	3.5	2.0	5.0	3.5	10.0	5.5	11.5	7.0	8.0	7.0
11	2.5	1.0	4.0	2.0	5.0	3.5	9.5	5.5	9.5	7.0	7.5	6.5
12	2.0	1.0	4.0	2.0	4.5	3.5	8.0	6.0	8.5	7.5	7.5	6.5
13	2.0	1.0	4.0	2.5	5.0	3.5	7.5	6.0	9.0	7.5	8.0	5.5
14	2.5	1.5	4.5	2.5	4.5	3.5	8.0	6.0	8.5	7.0	7.0	6.5
15	2.0	1.5	5.0	2.0	8.0	3.5	7.0	6.0	9.0	7.0	7.0	6.5
16	1.5	1.0	4.0	2.5	5.0	3.5	8.0	6.0	10.5	7.0	7.5	6.5
17	1.0	1.0	5.5	2.5	7.0	3.5	7.0	6.0	9.5	7.5	9.0	7.5
18	2.0	1.0	6.0	2.0	5.0	4.0	7.0	6.0	8.5	7.5	8.5	7.0
19	3.0	1.0	3.5	2.5	4.0	3.5	7.5	6.0	9.0	7.0	7.0	6.5
20	3.0	2.0	4.5	3.0	7.0	3.5	8.0	6.0	9.5	7.0	7.5	7.0
21	3.0	1.5	3.5	2.5	7.5	4.0	7.5	6.5	9.5	6.0	7.0	6.5
22	3.0	2.0	6.0	2.0	6.0	4.0	7.5	6.0	9.0	6.5	8.0	6.5
23	4.5	2.0	7.0	2.0	5.0	3.5	7.5	6.5	8.5	6.5	7.5	6.5
24	3.0	1.5	4.5	3.0	5.5	3.5	10.0	6.5	8.0	6.5	7.0	6.5
25	2.0	1.5	4.5	3.0	5.5	4.5	8.5	6.0	10.5	6.5	7.0	6.5
26	3.5	1.5	4.0	2.5	8.0	4.0	11.0	5.5	8.5	7.5	7.5	6.5
27	5.0	1.5	4.0	2.5	7.0	5.0	10.5	6.5	10.0	7.0	7.5	6.0
28	4.5	1.5	4.5	3.0	7.0	5.0	10.5	6.0	10.5	6.5	7.5	6.5
29	4.5	2.0	4.0	2.5	5.5	4.5	9.0	7.0	8.5	6.0	7.0	6.5
30	4.0	2.5	5.0	3.0	5.0	4.0	8.0	6.5	10.5	7.0	7.0	6.5
31	---	---	5.0	3.0	---	---	10.5	6.5	8.5	7.5	---	---
MONTH	5.0	1.0	7.0	2.0	8.0	3.0	11.0	4.5	11.5	6.0	9.0	5.5
YEAR	11.5	0.5										

15303100 East Creek near Dillingham

LOCATION.--Lat 59°11'39", long 158°49'17", in NE¼SW¼ sec.26, T.11 S., R.57 W., temperature recorder at gaging station on right bank 0.5 mi (0.8 km) upstream from mouth at Lake Nunavaugaluk, and 15 mi (24 km) northwest of Dillingham.

DRAINAGE AREA.--2.12 mi² (5.49 km²).

PERIOD OF RECORD.--Water temperatures: October 1973 to September 1975.
Sediment records: October 1974 to September 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 8.0°C Aug. 9, 10; minimum, freezing point on several days during December and January.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 8.5°C Aug. 4, 1974; minimum, freezing point on some days during winter period.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	3.5	3.0	2.5	2.5	2.0	1.5	0.5	0.5	1.0	0.5	2.5	2.0
2	3.0	2.5	2.5	2.5	1.5	1.5	0.5	0.5	0.5	0.5	2.0	1.5
3	3.0	2.5	2.5	2.0	1.5	1.5	0.5	0.5	1.5	0.5	2.0	1.0
4	3.0	2.5	2.5	2.0	1.5	1.5	0.5	0.5	2.0	1.5	2.0	1.0
5	4.0	3.0	2.0	2.0	2.0	1.5	0.5	0.5	2.0	1.5	1.5	0.5
6	4.0	3.5	2.0	2.0	2.0	2.0	0.5	0.5	1.5	1.0	1.5	1.0
7	3.5	3.0	2.0	2.0	2.0	2.0	0.5	0.5	1.0	1.0	2.0	1.5
8	3.5	3.0	2.5	2.0	2.0	2.0	0.5	0.5	1.0	1.0	2.0	1.5
9	3.5	3.0	2.5	2.0	2.0	2.0	0.5	0.5	1.0	1.0	1.5	1.0
10	3.0	2.5	2.0	2.0	2.0	1.5	0.5	0.5	1.0	1.0	2.5	1.0
11	2.5	2.5	2.5	2.0	1.5	1.0	0.5	0.5	1.0	1.0	2.0	1.5
12	2.5	2.5	2.0	1.5	1.5	1.5	0.5	0.5	1.0	1.0	2.0	2.0
13	3.0	2.0	2.0	2.0	1.5	1.5	0.5	0.5	1.0	1.0	2.5	2.0
14	3.0	3.0	2.0	2.0	1.0	1.0	0.5	0.5	1.0	1.0	2.5	1.5
15	3.0	3.0	2.0	2.0	1.0	1.0	0.5	0.0	1.0	1.0	2.5	1.5
16	3.0	3.0	2.0	2.0	1.0	1.0	0.5	0.0	1.0	1.0	2.5	1.5
17	3.0	2.5	2.0	2.0	1.5	1.0	1.0	0.5	1.0	1.0	2.0	0.5
18	2.5	2.0	2.0	2.0	1.0	0.5	1.0	1.0	1.0	1.0	0.5	0.5
19	2.5	2.0	2.0	1.5	1.0	1.0	1.5	1.0	1.0	1.0	0.5	0.5
20	2.5	2.0	2.0	1.5	1.0	1.0	1.5	1.5	1.0	0.5	0.5	0.5
21	2.5	2.0	2.0	1.5	1.0	0.5	1.5	1.5	1.0	0.5	0.5	0.5
22	3.0	2.5	1.5	1.5	1.0	0.0	1.5	1.0	1.0	1.0	0.5	0.5
23	3.0	3.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
24	3.0	3.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
25	3.0	3.0	1.5	1.5	1.0	0.5	1.0	0.5	1.5	0.5	1.0	0.5
26	3.0	3.0	1.5	1.5	1.0	0.0	0.5	0.5	2.0	1.0	1.0	0.5
27	3.0	2.5	1.5	1.5	0.0	0.0	1.0	0.5	2.0	1.5	2.0	1.0
28	2.5	2.5	1.5	1.5	0.0	0.0	1.0	1.0	2.0	1.5	2.5	1.5
29	3.0	2.5	2.0	1.5	0.0	0.0	1.0	1.0	---	---	2.5	1.0
30	2.5	2.5	2.0	2.0	0.5	0.0	1.0	0.5	---	---	2.5	0.5
31	2.5	2.5	---	---	0.5	0.5	1.0	0.5	---	---	2.5	1.0
MONTH	4.0	2.0	2.5	1.5	2.0	0.0	1.5	0.0	2.0	0.5	2.5	0.5

Continued on next page

15303100 East Creek near Dillingham--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1.5	0.5	4.5	1.5	3.5	2.5	5.0	4.5	6.0	4.5	6.0	4.5
2	1.5	0.5	4.0	1.5	3.5	2.5	6.0	4.0	7.0	4.0	5.0	4.0
3	2.0	0.5	3.0	1.5	4.5	3.0	5.0	4.0	7.0	4.0	5.5	4.0
4	2.5	1.0	4.0	1.5	5.0	2.5	6.0	4.0	5.5	4.0	5.0	4.5
5	2.0	1.0	4.0	1.5	4.5	3.0	7.0	4.0	7.5	4.5	7.5	5.0
6	3.0	1.5	4.0	1.5	4.0	3.0	5.5	4.0	7.5	4.5	7.5	5.5
7	3.0	1.0	4.5	1.5	4.0	3.0	7.0	4.0	6.5	4.5	5.5	4.0
8	1.0	0.5	4.5	1.5	4.0	2.5	7.0	3.5	7.5	4.5	5.0	3.5
9	2.0	0.5	3.5	1.5	4.0	3.0	5.5	4.0	8.0	5.0	5.0	3.5
10	3.0	1.0	2.5	1.5	5.5	3.0	5.5	4.5	8.0	4.5	5.5	5.0
11	2.5	0.5	2.5	1.0	4.5	3.5	7.0	5.5	7.5	4.5	6.0	5.0
12	2.5	0.5	2.0	1.0	5.5	3.5	6.0	4.5	6.5	5.5	5.5	5.0
13	2.0	2.0	3.5	1.0	6.0	3.5	6.5	4.0	6.0	5.5	5.5	4.0
14	2.0	2.0	2.0	1.5	6.0	3.5	5.5	4.5	6.0	5.0	5.0	4.5
15	3.5	1.5	2.5	1.5	6.5	3.5	4.0	3.5	6.5	5.0	5.0	5.0
16	3.0	2.0	3.0	1.0	5.0	4.0	5.0	4.0	6.0	5.0	5.0	5.0
17	2.5	0.5	3.0	1.0	5.0	4.0	5.0	4.0	6.5	4.5	7.5	5.0
18	3.0	0.5	3.0	1.0	5.0	4.0	6.5	4.0	6.5	5.5	7.0	5.5
19	3.0	1.0	2.0	1.5	5.5	4.0	6.5	4.0	6.5	6.0	5.5	5.0
20	2.5	1.5	3.0	1.5	7.0	4.0	5.5	4.0	6.5	5.5	6.0	5.0
21	4.0	2.0	3.0	1.5	5.5	4.0	4.5	4.0	6.5	5.0	6.0	5.5
22	[illegible]	2.0	4.5	1.5	5.0	4.0	7.0	4.5	6.5	4.5	5.5	4.0
23	4.5	1.5	4.5	1.5	4.5	4.0	7.0	4.0	7.0	4.5	4.5	4.5
24	2.0	0.5	2.5	1.0	5.0	3.5	6.0	4.5	7.5	4.5	4.5	4.0
25	3.0	0.5	2.0	1.0	6.0	4.0	7.0	4.5	6.0	4.5	4.0	4.0
26	4.0	1.5	1.5	1.5	6.0	3.5	7.5	4.5	7.5	5.5	4.0	3.5
27	2.5	0.5	2.0	1.5	5.5	4.0	7.5	4.0	7.5	5.0	4.0	3.5
28	4.0	1.5	3.0	1.5	5.5	5.0	7.0	4.0	6.5	5.0	4.0	4.0
29	5.0	1.5	3.0	2.0	6.0	5.0	5.5	4.5	6.0	4.5	4.0	4.0
30	4.5	2.0	3.0	2.0	5.5	4.5	6.5	4.5	5.5	5.0	4.0	4.0
31	---	---	4.5	2.0	---	---	7.0	4.5	6.0	4.5	---	---
MONTH	5.0	0.5	4.5	1.0	7.0	2.5	7.5	3.5	8.0	4.0	7.5	3.5
YEAR	8.0	0.0										

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
AUG.						
19...	1150	6.0	0	16	3	.13

15303150 Snake River near Dillingham

LOCATION.--Lat 59°08'54", long 158°53'14", in NW¼SW¼ sec.9, T.12 S., R.57 W., temperature recorder at gaging station on right bank at outlet of Lake Nunavaugaluk, 15 mi (24 km) northwest of Dillingham.

DRAINAGE AREA.--113 mi² (293 km²).

PERIOD OF RECORD.--Water temperatures: August 1974 to September 1975.

EXTREMES, Aug. 22, 1974 to September 1975.--Water temperatures: Maximum, 17.0°C Aug. 2, 11, 1975; minimum, freezing point on many days during winter months.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1									---	---	15.0	12.5
2									---	---	15.5	13.5
3									---	---	16.0	13.5
4									---	---	16.5	13.5
5									---	---	14.5	13.0
6									---	---	14.0	12.5
7									---	---	13.5	12.0
8									---	---	13.0	12.5
9									---	---	14.5	13.0
10									---	---	13.5	13.0
11									---	---	13.0	12.5
12									---	---	13.0	12.5
13									---	---	13.0	12.5
14									---	---	12.0	11.5
15									---	---	11.5	11.5
16									---	---	12.5	10.5
17									---	---	12.5	10.5
18									---	---	12.0	11.5
19									---	---	11.5	10.5
20									---	---	11.5	11.0
21									---	---	12.0	11.5
22									16.5	14.0	12.0	12.0
23									16.0	14.5	12.0	11.5
24									15.5	13.5	11.5	10.5
25									15.5	14.5	11.5	11.0
26									15.0	14.5	11.5	10.5
27									14.5	13.5	11.0	10.5
28									14.0	8.0	11.0	10.0
29									11.0	6.5	11.0	9.5
30									12.0	9.0	10.5	9.5
31									14.5	9.5	---	---
MONTH									---	---	16.5	9.5

See next page

15303150 Snake River near Dillingham--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.0	8.5	5.5	5.5	2.0	2.0	2.0	2.0	0.5	0.5	0.0	0.0
2	10.0	8.0	6.0	5.0	2.0	2.0	2.0	2.0	0.5	0.5	0.0	0.0
3	9.5	7.0	5.5	5.0	2.0	2.0	2.0	2.0	0.5	0.5	0.0	0.0
4	9.0	8.0	5.5	4.0	2.0	1.5	2.0	1.5	0.5	0.5	0.0	0.0
5	10.0	9.0	5.0	4.0	1.5	1.5	1.5	1.0	0.5	0.5	0.0	0.0
6	10.0	9.5	5.0	4.5	1.5	1.5	1.5	0.5	0.5	0.5	0.0	0.0
7	9.5	9.0	4.5	4.0	1.5	1.5	1.0	0.5	0.5	0.5	0.0	0.0
8	9.5	9.0	5.0	4.0	1.5	1.5	1.0	0.0	0.5	0.5	0.0	0.0
9	9.0	7.5	4.0	2.0	2.0	1.5	0.0	0.0	0.5	0.5	0.0	0.0
10	8.5	7.5	4.5	3.5	2.0	1.5	0.0	0.0	0.5	0.5	0.0	0.0
11	8.5	6.5	5.0	4.5	1.5	1.5	0.0	0.0	0.5	0.0	0.0	0.0
12	8.5	7.0	5.0	5.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
13	8.0	7.0	5.0	5.0	1.5	1.5	0.5	0.0	0.5	0.0	0.0	0.0
14	8.5	8.0	5.0	3.0	1.5	1.5	1.0	0.0	0.5	0.5	0.0	0.0
15	8.5	8.0	4.0	2.5	1.5	1.5	0.0	0.0	0.5	0.0	0.0	0.0
16	8.0	7.5	4.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
17	7.5	6.5	4.0	3.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
18	7.0	4.5	4.0	4.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
19	7.0	6.0	4.0	4.0	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0
20	7.5	5.5	4.0	2.5	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0
21	6.0	5.0	2.5	1.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0
22	7.0	6.0	3.5	1.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0
23	7.0	6.5	3.0	2.5	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0
24	7.0	7.0	3.0	2.0	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0
25	7.0	6.5	2.0	1.5	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0
26	6.5	6.0	1.5	1.5	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0
27	6.5	6.0	1.5	1.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0	0.0
28	6.0	5.5	1.5	1.5	2.0	2.0	0.5	0.5	0.0	0.0	0.0	0.0
29	6.0	5.0	1.5	1.5	2.0	2.0	0.5	0.5	---	---	0.0	0.0
30	6.0	5.0	2.0	1.5	2.0	2.0	0.5	0.5	---	---	0.0	0.0
31	6.0	5.5	---	---	2.0	2.0	0.5	0.5	---	---	0.0	0.0
MONTH	10.0	4.5	6.0	1.5	2.0	1.5	2.0	0.0	0.5	0.0	0.0	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	0.0	0.0	0.0	0.0	2.0	2.0	5.5	5.0	13.5	11.5	13.0	12.0
2	0.0	0.0	0.0	0.0	2.0	2.0	6.0	5.5	17.0	11.5	14.0	12.0
3	0.0	0.0	0.0	0.0	2.5	2.0	6.0	5.5	16.0	13.0	13.5	12.5
4	0.0	0.0	0.0	0.0	2.5	2.5	6.0	5.5	14.5	13.0	12.5	10.0
5	0.0	0.0	0.0	0.0	2.5	2.5	7.5	5.5	15.5	13.0	10.0	7.0
6	0.0	0.0	1.0	0.5	2.5	2.5	7.0	5.5	15.0	12.5	11.5	7.0
7	0.0	0.0	1.0	0.5	2.5	2.5	8.0	5.5	14.5	13.0	11.5	10.0
8	0.0	0.0	1.0	0.5	2.5	1.5	9.5	6.0	14.5	12.5	12.5	10.0
9	0.0	0.0	1.0	0.5	1.5	1.5	8.5	6.0	14.0	12.0	11.0	9.0
10	0.0	0.0	1.5	0.5	2.5	1.5	6.0	5.5	16.5	11.5	10.0	8.0
11	0.0	0.0	1.0	0.5	2.5	1.5	8.0	5.5	17.0	13.5	8.0	6.5
12	0.0	0.0	1.0	0.5	2.0	1.0	7.5	6.0	15.0	13.0	11.0	8.0
13	0.0	0.0	1.5	0.5	3.5	1.5	10.5	6.0	13.5	8.5	10.5	9.5
14	0.0	0.0	1.0	3.5	4.5	3.5	8.0	6.0	12.5	8.0	10.0	9.5
15	0.0	0.0	1.0	0.5	4.5	4.0	11.0	7.0	14.0	12.5	9.5	9.0
16	0.0	0.0	1.0	0.5	4.0	3.5	10.5	9.5	14.0	13.0	9.0	9.0
17	0.0	0.0	1.0	0.5	4.0	3.5	9.5	9.5	14.0	12.5	9.0	8.5
18	0.0	0.0	1.0	0.5	4.5	4.0	11.0	9.0	13.5	12.5	8.5	6.0
19	0.0	0.0	1.0	1.0	5.5	4.0	11.0	8.5	13.5	12.5	7.5	5.5
20	0.0	0.0	1.0	1.0	5.5	4.5	9.0	7.5	14.5	13.0	8.0	6.5
21	0.0	0.0	1.0	1.0	5.0	4.5	8.0	7.0	14.5	13.0	8.0	8.0
22	0.0	0.0	1.0	1.0	5.0	5.0	12.0	8.0	15.0	13.0	8.5	8.0
23	0.0	0.0	1.5	1.0	5.0	5.0	12.5	10.5	15.5	12.5	9.0	8.5
24	0.0	0.0	1.0	1.0	5.5	5.0	12.0	10.5	15.0	12.5	9.0	8.5
25	0.0	0.0	1.0	1.0	6.0	5.5	12.0	10.0	14.0	13.0	8.5	8.5
26	0.0	0.0	1.0	1.0	6.0	5.5	12.5	10.0	14.0	12.5	9.0	8.5
27	0.0	0.0	1.5	1.0	5.5	5.0	12.5	11.0	15.0	11.5	9.0	8.5
28	0.0	0.0	2.0	1.5	5.5	5.0	13.5	11.5	14.5	13.5	9.0	8.5
29	0.0	0.0	2.0	2.0	5.5	5.0	12.5	10.0	13.5	13.0	8.5	8.5
30	0.0	0.0	2.0	2.0	5.5	5.0	14.5	9.5	13.0	12.5	9.0	8.5
31	---	---	2.0	2.0	---	---	15.0	11.0	12.5	12.0	---	---
MONTH	0.0	0.0	2.0	0.0	6.0	1.0	15.0	5.0	17.0	8.0	14.0	5.5
YEAR	17.0	0.0										

15493500 Chena River near North Pole

LOCATION.--Lat 64°47'47", long 147°11'56", in SW¼ sec.29, T.1 S., R.3 E., Fairbanks North Star Borough, temperature recorder at gaging station on left bank, 5.5 mi (8.8 km) northeast of North Pole, 6 mi (10 km) upstream from Potlatch Creek, 11 mi (18 km) downstream from Mullen Slough, and 15.7 mi (25.3 km) east of Fairbanks.

DRAINAGE AREA.--1,430 mi² (3,704 km²).

PERIOD OF RECORD.--Chemical analyses: May 1972 to September 1975 (partial-record station).
Water temperatures: May 1972 to September 1975.
Sediment records: May 1972 to September 1975 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 16.0°C July 11, 12; minimum, freezing point most days during winter period.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 16°C July 7, 1972, July 11, 12, 1975; minimum, freezing point most days during winter period.

REMARKS.--No temperature record Oct. 8 to May 6 as gage was shut down for winter.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
DEC. 26...	1145	197	--	--	--	--	--	--	--
APR. 29...	1110	241	--	--	--	--	--	--	--
MAY 14...	1945	11800	2.9	480	50	8.6	1.9	1.0	1.2

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
DEC. 26...	--	--	--	--	--	--	--	--	--
APR. 29...	89	--	--	--	--	--	--	--	--
MAY 14...	23	0	6.7	1.1	.1	.08	.01	74	36

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
DEC. 26...	--	--	--	6.6	.0	--	--	--
APR. 29...	--	--	170	7.3	.5	--	--	7.1
MAY 14...	29	10	55	6.6	3.5	20	90	9.2

15493500 Chena River near North Pole--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.0	1.0										
2	1.0	0.0										
3	1.0	0.0										
4	0.0	0.0										
5	0.0	0.0										
6	0.0	0.0										
7	0.0	0.0										
8	---	---										
9	---	---										
10	---	---										
11	---	---										
12	---	---										
13	---	---										
14	---	---										
15	---	---										
16	---	---										
17	---	---										
18	---	---										
19	---	---										
20	---	---										
21	---	---										
22	---	---										
23	---	---										
24	---	---										
25	---	---										
26	---	---										
27	---	---										
28	---	---										
29	---	---										
30	---	---										
31	---	---										
MONTH	---	---										

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	8.0	8.0	12.5	12.0	10.5	10.5	8.0	7.5
2			---	---	8.5	8.0	12.0	11.0	10.5	10.5	8.0	7.5
3			---	---	8.5	8.5	13.0	11.5	10.5	10.0	8.0	7.5
4			---	---	8.5	8.5	14.0	12.5	10.0	9.5	7.5	7.5
5			---	---	9.0	8.5	14.0	13.0	10.5	10.0	7.5	7.5
6			---	---	9.0	9.0	14.5	13.0	10.5	10.5	7.5	7.5
7			3.0	2.0	10.0	9.0	15.0	13.5	10.5	10.0	7.5	7.5
8			3.0	2.0	10.0	9.5	15.0	13.5	10.5	10.0	7.5	7.0
9			2.5	2.0	10.5	9.5	14.5	13.0	10.5	10.0	7.0	6.5
10			4.0	2.0	10.5	9.0	15.0	13.5	10.0	10.0	6.5	6.5
11			4.0	3.0	9.0	8.5	16.0	14.0	10.0	9.5	6.5	6.5
12			3.5	3.0	8.5	7.5	16.0	15.0	10.0	9.5	6.5	6.5
13			3.5	3.5	9.0	8.0	15.0	14.0	10.5	10.0	6.5	6.5
14			3.5	3.5	9.0	9.0	14.5	13.0	11.5	10.5	6.5	6.0
15			4.0	3.5	10.0	9.0	14.5	13.5	12.0	11.5	6.0	5.5
16			4.5	4.0	11.0	10.0	13.5	12.5	12.0	12.0	5.5	5.5
17			4.5	4.0	11.5	10.5	14.5	13.0	12.0	11.5	5.5	5.5
18			4.0	4.0	11.5	11.5	14.5	13.5	11.5	11.0	6.0	5.5
19			4.0	3.5	11.5	11.0	15.0	14.0	11.5	11.5	6.0	6.0
20			4.0	3.5	11.5	10.5	15.0	14.5	11.5	11.0	6.0	6.0
21			5.0	4.0	11.5	11.5	14.5	13.5	11.0	10.5	6.0	5.5
22			5.0	5.0	11.5	11.5	13.5	10.0	10.5	10.5	5.5	5.5
23			5.5	5.0	11.5	11.0	11.0	10.0	10.5	10.0	5.5	5.5
24			5.5	5.5	11.0	10.5	11.5	11.0	10.5	10.0	5.5	5.0
25			6.5	5.5	10.5	9.5	12.0	11.5	10.5	10.0	5.0	4.0
26			7.5	6.5	10.5	9.0	12.0	12.0	10.0	10.0	4.0	2.5
27			7.5	7.5	11.5	10.0	12.0	11.0	10.0	9.5	2.5	2.0
28			7.5	7.5	12.5	11.5	11.0	10.0	9.5	8.5	2.0	1.5
29			7.5	7.0	12.5	12.5	10.0	9.0	8.5	8.0	2.0	1.5
30			7.5	7.0	12.5	12.5	11.0	10.0	8.0	8.0	2.5	2.0
31			8.0	7.0	---	---	11.0	10.5	8.0	8.0	---	---
MONTH			8.0	2.0	12.5	7.5	16.0	9.0	12.0	8.0	8.0	1.5
YEAR	16.0	0.0										

15493500 Chena River near North Pole--Continued

SUSPENDED SEDIMENT ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
MAY 14...	1945	3.5	20	11800	210	6690	5	8	13	24	43

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
MAY 14...	71	86	97	100

15511000 Little Chena River near Fairbanks

LOCATION.--Lat 64°53'10", long 147°14'50", in NE¼ sec.25, T.1 N., R.2 E., Fairbanks North Star Borough, temperature recorder at gaging station on downstream side of left bridge abutment at mile 11.9 (19.1 km) on Chena Hot Springs Highway, and 14 mi (23 km) northeast of Fairbanks.

DRAINAGE AREA.--372 mi^2 (963 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1967-68 and 1971-74 (partial-record station).
Water temperatures: May 1972 to current year.
Sediment records: Water years 1967-68 and 1971-74 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 15.5°C July 11,12; minimum, freezing point most days during winter period.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 16°C June 30, 1973; minimum, freezing point most days during winter period.

REMARKS.--No temperature record Oct. 5 to May 7, when recorder was shut down for winter.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER		
DAY	MAX	MIN
1	0.5	0.0
2	0.5	0.0
3	0.0	0.0
4	0.0	0.0
5	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	7.5	6.5	12.0	11.5	9.5	8.5	7.0	6.5
2			---	---	8.0	7.5	12.5	11.0	9.5	8.5	7.0	7.0
3			---	---	8.5	7.5	13.0	11.5	8.5	7.5	7.0	6.5
4			---	---	8.5	8.0	14.0	12.0	8.5	7.5	6.5	6.5
5			---	---	8.5	8.0	14.5	13.0	8.5	7.5	7.0	6.5
6			---	---	9.0	8.5	14.5	12.5	8.0	8.0	6.5	6.5
7			---	---	9.5	8.5	15.0	13.0	8.0	7.5	6.5	6.5
8			0.5	0.5	10.0	9.0	15.0	13.0	8.0	7.5	6.5	5.5
9			1.0	0.5	10.0	9.5	14.0	12.0	8.0	8.0	5.5	5.0
10			2.0	0.5	9.5	8.5	14.5	12.5	8.5	8.0	5.0	5.0
11			2.0	1.0	8.5	8.0	15.5	13.5	8.5	7.5	5.5	5.0
12			2.5	1.5	8.5	7.5	15.5	14.5	8.0	7.0	5.5	5.5
13			3.0	1.5	8.5	8.5	15.0	13.5	8.5	8.0	5.5	5.0
14			2.5	1.5	9.5	9.0	14.0	12.0	9.0	8.0	5.0	4.5
15			3.0	2.0	10.0	9.5	13.5	12.5	9.5	8.5	4.5	4.0
16			3.0	2.5	10.5	9.5	13.0	11.5	9.5	9.0	4.0	3.5
17			2.5	2.5	11.5	10.5	13.5	12.0	9.5	9.0	4.0	3.5
18			3.0	2.0	11.5	11.0	14.0	13.0	9.5	8.5	4.5	4.0
19			2.5	2.0	11.5	11.0	14.0	13.0	9.5	9.5	4.5	4.5
20			2.5	2.0	11.5	11.0	14.0	13.5	9.5	8.5	4.5	4.0
21			3.0	2.0	12.0	11.0	13.5	9.5	8.5	8.0	4.5	4.0
22			3.5	3.0	12.0	11.5	9.5	9.0	8.5	8.5	4.5	4.5
23			3.5	3.0	11.5	10.5	10.0	9.0	8.5	8.0	4.5	4.5
24			4.0	3.5	11.0	10.0	10.5	10.0	8.5	8.5	4.5	3.5
25			5.0	4.0	10.0	10.0	11.0	10.0	8.5	8.5	3.5	2.5
26			7.0	5.0	10.0	9.5	11.0	10.5	8.5	8.5	2.5	1.0
27			7.0	6.0	11.0	10.0	10.5	9.0	8.5	7.5	1.0	0.5
28			7.0	6.0	12.5	11.0	9.0	8.0	7.5	6.0	1.0	0.5
29			7.0	5.5	12.5	12.0	8.0	7.5	6.0	6.0	1.0	1.0
30			7.0	6.5	12.0	12.0	9.0	8.0	6.0	6.0	2.0	1.5
31			7.0	6.0	---	---	9.0	9.0	6.5	6.0	---	---
MONTH			---	---	12.5	6.5	15.5	7.5	9.5	6.0	7.0	0.5
YEAR	15.5	0.0										

15564885 Jim River near Bettles

LOCATION.--Lat 66°47'10", long 150°52'23", in SW¼ sec.30, T.23 N., R.15 W., temperature recorder at gaging station on right bank, 4.2 mi (6.8 km) west of Prospect Camp, 4.8 mi (7.7 km) downstream from Prospect Creek, 12.3 mi (19.8 km) upstream from mouth, and 20 mi (32 km) southeast of Bettles.

DRAINAGE AREA.--465 mi² (1,204 km²).

PERIOD OF RECORD.--Chemical analyses: August 1970 to current year (partial-record station).
Water temperatures: June 1971 to current year.
Sediment records: September 1970 to September 1973 (partial-record station).

EXTREMES, 1974-75.--Water temperatures: Maximum, 17.5°C July 11-13; minimum, freezing point on most days during winter months.

EXTREMES.--
Period of record:
Water temperatures: Maximum, 17.5°C July 11-13, 1975; minimum, freezing point on most days during winter months.

REMARKS.--No temperature record Oct. 1 to May 14, when recorder was shut down for winter, and Sept. 16-30, when recorder was not operating properly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
OCT. 01...	1600	370	--	--	--	--	--	--	--	--	--
APR. 17...	1030	21	9.1	2.2	.7	55	8.3	1.0	.1	.34	.04
MAY 14...	1830	2600	--	--	--	12	--	--	--	--	--
JULY 13...	1145	206	--	--	--	34	--	--	--	--	--
AUG. 24...	1045	240	--	--	--	39	--	--	--	--	--

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 01...	--	--	52	7.0	.0	--	--	--	--	--
APR. 17...	50	5	108	6.5	.0	1	0	10.9	28	4.3
MAY 14...	--	--	23	6.0	1.5	--	--	--	19	--
JULY 13...	--	--	60	7.5	15.5	--	--	--	1.7	--
AUG. 24...	--	--	70	6.9	8.5	--	--	--	7.9	--

15564885 Jim River near Bettles--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	7.0	5.0	13.0	11.0	14.5	11.5	9.5	8.5
2			---	---	8.5	5.0	11.5	10.0	12.0	10.0	10.0	8.5
3			---	---	9.0	6.0	14.5	9.5	12.5	10.0	9.5	8.5
4			---	---	9.0	7.0	15.5	11.5	13.0	10.5	8.5	7.5
5			---	---	9.0	7.5	15.5	12.0	11.5	9.5	8.0	7.0
6			---	---	8.5	7.0	17.0	12.5	12.5	10.0	7.5	7.0
7			---	---	9.0	6.0	16.5	13.0	11.5	9.5	7.0	6.0
8			---	---	8.5	7.5	16.0	13.5	10.0	8.5	7.5	6.5
9			---	---	10.0	7.0	15.5	12.0	11.5	8.5	7.0	6.0
10			---	---	10.0	8.5	16.0	13.5	12.5	9.5	6.5	5.0
11			---	---	10.5	8.0	17.5	13.5	12.0	8.0	5.5	5.5
12			---	---	10.5	8.5	17.5	14.5	12.5	8.0	5.5	5.5
13			---	---	9.5	7.0	17.5	15.0	13.5	9.0	5.5	5.0
14			---	---	11.5	8.0	17.0	15.0	14.5	10.5	5.5	5.0
15			4.0	2.5	12.0	8.5	16.5	14.0	13.5	10.0	5.5	5.0
16			5.5	2.5	11.0	9.0	16.0	13.5	13.0	11.0	---	---
17			6.0	3.5	13.5	9.0	15.5	13.0	14.0	11.5	---	---
18			4.0	3.0	12.5	10.5	17.0	13.0	14.5	12.0	---	---
19			5.0	2.5	11.0	8.5	16.0	13.5	13.0	12.0	---	---
20			7.0	3.0	13.5	9.5	15.5	13.0	12.0	11.5	---	---
21			8.0	4.0	13.0	11.0	15.5	12.0	12.5	11.0	---	---
22			7.0	5.0	12.0	10.5	15.5	12.0	14.0	11.0	---	---
23			6.5	4.5	12.0	10.0	16.0	12.0	12.5	10.5	---	---
24			5.5	4.0	10.5	8.5	15.5	13.5	11.5	9.5	---	---
25			7.0	4.5	12.0	8.5	14.5	12.5	10.5	9.5	---	---
26			7.0	5.5	11.0	9.0	15.0	11.5	10.0	8.0	---	---
27			6.0	4.0	12.0	9.0	12.5	11.0	8.5	7.5	---	---
28			6.0	4.0	12.5	10.5	12.5	9.5	8.0	7.0	---	---
29			6.0	4.0	12.5	11.0	14.0	9.0	9.0	7.5	---	---
30			5.5	4.0	14.0	11.0	14.5	10.0	9.0	8.0	---	---
31			6.5	4.0	---	---	15.0	10.5	9.5	8.5	---	---
MONTH			---	---	14.0	5.0	17.5	9.0	14.5	7.0	---	---

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA

15011500 RED RIVER NEAR METLAKATLA (LAT 55 08 29 LONG 130 31 50)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.					
09...	1700	1350	6	6.6	5.0
JAN.					
24...	1530	633	18	6.6	.5
JUNE					
16...	1020	822	7	6.7	5.5

15012000 WINSTANLEY CREEK NEAR KETCHIKAN (LAT 55 24 59 LONG 130 52 03)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.					
18...	1100	340	10	6.4	7.0
JAN.					
25...	1430	203	17	6.3	1.5
AUG.					
27...	1000	51	16	6.6	14.5

15022000 HARDING RIVER NEAR WRANGELL (LAT 56 12 50 LONG 131 38 14)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.					
13...	1100	315	14	6.7	3.0

15024800 STIKINE RIVER NEAR WRANGELL (LAT 56 42 07 LONG 132 08 28)

– National Stream-quality Accounting Network

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
MAY											
03...	1600	20700	5.9	1200	130	70	10	60	20	3.0	4.1
AUG.											
16...	1700	91700	2.7	6900	500	190	190	0	15	2.0	1.6

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
MAY											
03...	1.2	83	0	17	3.0	.1	.14	.24	.38	.05	107
AUG.											
16...	.8	45	0	8.9	1.4	.1	.03	.08	.11	.18	54

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

15024800 STIKINE RIVER NEAR WRANGELL (LAT 56 42 07 LONG 132 08 28)--Continued
National Stream-quality Accounting Network

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY											
03...	104	82	14	158	7.4	5.0	2	5.3	--	--	1.1
AUG.											
16...	55	46	9	81	7.6	8.0	66	1.8	<1	<1	--

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Aug 16	1700	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Pennales			
		Achnanthaceae			
		Rhoicosphenia	8	50	
		Cymbellaceae			
		Epithemia			
		Fragilariaceae			
		Hannaea	8	50	
		TOTAL	17		

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
MAY									
03...	0	0	0	<10	<9	1	20	20	0
AUG.									
16...	5	4	1	<10	<10	0	10	10	0

DATE	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
MAY									
03...	<50	<50	0	50	45	5	<100	<97	3
AUG.									
16...	<50	<50	0	30	27	3	<100	<95	5

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY									
03...	1.5	.0	1.8	0	0	0	40	0	80
AUG.									
16...	2.2	.5	1.7	0	0	0	50	40	10

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
MAY						
03...	1425	5.0	4	20700	90	5030
03...	1600	5.0	2	20700	89	4970

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

15024800 STIKINE RIVER NEAR WRANGELL (LAT 56 42 07 LONG 132 08 28)--Continued

National Stream-quality Accounting Network

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
MAY	
03...	52
03...	60

15036000 SPEEL RIVER NEAR JUNEAU (LAT 58 12 10 LONG 133 36 40)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
OCT.							
31...	1615	2830	1600	50	20	6.2	3.5

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
OCT.							
31...	1300	6	<100	<10	0	110	200

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT.						
31...	1.9	0	<50	0	<10	80

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT.					
31...	1615	3.5	2830	183	1400

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT.	
31...	38

15050000 GOLD CREEK AT JUNEAU (LAT 58 18 25 LONG 134 24 05)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
OCT.					
24...	1100	776	80	6.8	4.5
MAR.					
25...	1000	.84	--	7.1	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

15052500 MENDENHALL RIVER NEAR AUKE BAY (LAT 58 25 05 LONG 134 32 40)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC.								
30...	1540	112	--	--	--	7.0	1.0	--
JULY								
09...	1300	4620	10000	190	24	7.4	2.0	80

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY							
09...	8200	1	400	<10	0	70	100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY						
09...	.2	1	<50	0	20	120

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
JULY											
09...	1300	2.0	80	4620	109	1360	47	62	83	96	98

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
JULY				
09...	98	98	99	100

15052800 MONTANA CREEK NEAR AUKE BAY (LAT 58 23 53 LONG 134 36 34)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.					
04...	1530	211	41	6.6	5.0
29...	1450	76	50	6.6	2.5
DEC.					
30...	1100	42	54	6.9	1.0

15054500 BESSIE CREEK NEAR AUKE BAY (LAT 58 35 30 LONG 134 54 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.					
26...	1530	19	29	6.9	2.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

15056100 SKAGWAY RIVER AT SKAGWAY (LAT 59 27 27 LONG 135 19 23)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT. 27...	1545	536	55	7.4	5.5

15056200 WEST CREEK NEAR SKAGWAY (LAT 59 31 35 LONG 135 21 10)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT. 27...	1025	407	48	7.3	4.0
JULY 29...	1600	651	--	7.0	5.0

15059500 WHIPPLE CREEK NEAR WARD COVE (LAT 55 26 30 LONG 131 47 38)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV. 11...	1100	35	20	6.3	4.5
JAN. 27...	1200	16	39	6.6	1.5
AUG. 25...	1100	7.4	46	6.7	10.5

15072000 FISH CREEK NEAR KETCHIKAN (LAT 55 23 30 LONG 131 11 40)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
AUG. 27...	1630	112	22	6.8	15.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

PATCHING LAKE NEAR KETCHIKAN (LAT 55 36 54 LONG 131 29 11)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
AUG.											
07...	1330	.5	--	--	--	--	--	--	--	--	--
07...	1331	3.5	--	--	--	--	--	--	--	--	--
07...	1332	6.5	--	--	--	--	--	--	--	--	--
07...	1333	10	--	--	--	--	--	--	--	--	--
07...	1334	13	--	--	--	--	--	--	--	--	--
07...	1335	16	--	--	--	--	--	--	--	--	--
07...	1336	19	--	--	--	--	--	--	--	--	--
07...	1337	29	--	--	--	--	--	--	--	--	--
07...	1338	36	--	--	--	--	--	--	--	--	--
07...	1339	42	--	--	--	--	--	--	--	--	--
07...	1340	46	--	--	--	--	--	--	--	--	--
07...	1341	52	--	--	--	--	--	--	--	--	--
07...	1342	56	--	--	--	--	--	--	--	--	--
07...	1343	59	--	--	--	--	--	--	--	--	--
07...	1344	62	--	--	--	--	--	--	--	--	--
07...	1345	65	--	--	--	--	--	--	--	--	--
07...	1346	82	--	--	--	--	--	--	--	--	--
07...	1347	98	--	--	--	--	--	--	--	--	--
07...	1348	131	--	--	--	--	--	--	--	--	--
07...	1349	164	--	--	--	--	--	--	--	--	--
07...	1500	20	1.3	30	0	1.8	.5	.6	.2	5	0
07...	1630	62	1.3	60	0	2.2	.5	1.1	.3	8	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
AUG.											
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
07...	4.6	1.4	.0	.05	.05	.00	.01	.01	.06	10	13
07...	3.1	1.5	.0	.02	.02	.00	.01	.01	.03	16	15

PATCHING LAKE NEAR KETCHIKAN (LAT 55 36 54 LONG 131 29 11)--Continued

DATE	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.										
07...	--	--	14	6.0	12.5	--	10.9	--	--	--
07...	--	--	14	6.1	12.0	--	10.9	--	--	--
07...	--	--	13	6.1	11.5	--	10.9	--	--	--
07...	--	--	14	6.1	11.0	--	11.0	--	--	--
07...	--	--	14	5.6	11.0	--	11.0	--	--	--
07...	--	--	14	5.5	11.0	--	11.1	--	--	--
07...	--	--	14	5.5	10.0	--	11.1	--	--	--
07...	--	--	14	5.5	9.5	--	11.2	--	--	--
07...	--	--	14	5.6	9.5	--	11.2	--	--	--
07...	--	--	14	5.6	9.0	--	11.3	--	--	--
07...	--	--	15	5.6	8.0	--	11.5	--	--	--
07...	--	--	16	5.6	7.0	--	11.7	--	--	--
07...	--	--	17	5.6	6.0	--	11.8	--	--	--
07...	--	--	17	5.6	5.5	--	11.9	--	--	--
07...	--	--	18	5.6	4.0	--	11.8	--	--	--
07...	--	--	18	5.6	4.0	--	11.8	--	--	--
07...	--	--	18	5.6	4.0	--	11.6	--	--	--
07...	--	--	19	5.6	4.0	--	11.5	--	--	--
07...	--	--	19	5.6	4.0	--	11.2	--	--	--
07...	--	--	21	5.6	4.0	--	10.0	--	--	--
07...	7	2	14	5.5	10.0	15	11.1	25	.70	3.8
07...	8	1	18	5.6	4.0	10	11.9	32	.70	4.0

DATE	DEPTH (FT)	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.			
07...	20	90	20
07...	60	100	40

HECKMAN LAKE NEAR KETCHIKAN (LAT 55 34 32 LONG 131 31 07)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG.												
06...	1030	.5	--	--	--	--	--	--	--	--	--	--
06...	1032	6.5	--	--	--	--	--	--	--	--	--	--
06...	1033	10	--	--	--	--	--	--	--	--	--	--
06...	1036	23	--	--	--	--	--	--	--	--	--	--
06...	1037	29	--	--	--	--	--	--	--	--	--	--
06...	1038	33	--	--	--	--	--	--	--	--	--	--
06...	1039	36	--	--	--	--	--	--	--	--	--	--
06...	1040	42	--	--	--	--	--	--	--	--	--	--
06...	1041	49	--	--	--	--	--	--	--	--	--	--
06...	1042	56	--	--	--	--	--	--	--	--	--	--
06...	1043	62	--	--	--	--	--	--	--	--	--	--
06...	1044	72	--	--	--	--	--	--	--	--	--	--
06...	1045	82	--	--	--	--	--	--	--	--	--	--
06...	1046	98	--	--	--	--	--	--	--	--	--	--
06...	1047	131	--	--	--	--	--	--	--	--	--	--
06...	1048	148	--	--	--	--	--	--	--	--	--	--
06...	1100	24	1.2	50	0	2.3	.4	.8	.2	4	0	3.1
06...	1200	46	1.1	50	0	2.3	.5	.7	.2	4	0	1.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

HECKMAN LAKE NEAR KETCHIKAN (LAT 55 34 32 LONG 131 31 07)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG.											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	.5	.1	.01	.01	.00	.25	.25	.26	.00	.00	12
06...	.9	.0	.00	.00	.00	.16	.16	.16	.00	.00	5

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.											
06...	--	--	--	15	6.7	11.5	--	10.5	--	--	--
06...	--	--	--	15	6.7	11.5	--	10.4	--	--	--
06...	--	--	--	15	6.7	11.0	--	10.8	--	--	--
06...	--	--	--	15	6.7	11.0	--	10.8	--	--	--
06...	--	--	--	15	6.6	10.5	--	10.9	--	--	--
06...	--	--	--	17	6.6	9.0	--	11.1	--	--	--
06...	--	--	--	17	6.6	9.0	--	11.2	--	--	--
06...	--	--	--	17	6.6	8.0	--	11.2	--	--	--
06...	--	--	--	17	5.8	6.0	--	11.3	--	--	--
06...	--	--	--	17	5.8	5.5	--	11.3	--	--	--
06...	--	--	--	17	5.8	5.0	--	11.6	--	--	--
06...	--	--	--	17	5.8	5.0	--	11.4	--	--	--
06...	--	--	--	18	5.8	4.0	--	11.3	--	--	--
06...	--	--	--	18	5.8	4.0	--	11.3	--	--	--
06...	--	--	--	18	5.8	4.0	--	11.6	--	--	--
06...	--	--	--	18	5.8	4.0	--	<1.0	--	--	--
06...	11	7	4	15	6.7	11.0	18	10.8	1.3	--	13
06...	10	8	5	15	5.8	6.0	15	11.3	10	1.0	3.2

DATE	DEPTH (FT)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.			
06...	24	90	30
06...	46	90	20

HECKMAN LAKE AT OUTLET NEAR KETCHIKAN (LAT 55 35 14 LONG 131 32 25)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG.											
05...	2030	1.0	50	0	2.2	.4	1.4	.2	6	0	1.9

HECKMAN LAKE AT OUTLET NEAR KETCHIKAN (LAT 55 35 14 LONG 131 32 25)--Continued

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
AUG.											
05...	.7	.0	.00	.00	.00	.12	.12	.12	.00	.00	12

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.										
05...	22	7	2	15	6.7	13.0	18	1.9	.80	3.6

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.		
05...	80	6

KLAWOCK LAKE NEAR KLAWOCK (LAT 55 32 16 LONG 133 01 17)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG.												
08...	1730	.5	--	--	--	--	--	--	--	--	--	--
08...	1731	3.5	--	--	--	--	--	--	--	--	--	--
08...	1732	6.5	--	--	--	--	--	--	--	--	--	--
08...	1733	10	--	--	--	--	--	--	--	--	--	--
08...	1734	13	--	--	--	--	--	--	--	--	--	--
08...	1735	16	--	--	--	--	--	--	--	--	--	--
08...	1736	23	--	--	--	--	--	--	--	--	--	--
08...	1737	29	--	--	--	--	--	--	--	--	--	--
08...	1738	33	--	--	--	--	--	--	--	--	--	--
08...	1739	36	--	--	--	--	--	--	--	--	--	--
08...	1740	39	--	--	--	--	--	--	--	--	--	--
08...	1741	42	--	--	--	--	--	--	--	--	--	--
08...	1742	49	--	--	--	--	--	--	--	--	--	--
08...	1743	59	--	--	--	--	--	--	--	--	--	--
08...	1744	65	--	--	--	--	--	--	--	--	--	--
08...	1830	16	1.7	20	0	4.4	.5	2.4	.2	19	0	3.2
08...	1900	49	1.8	10	0	4.3	.5	2.4	.2	16	0	3.2

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

KLAWOCK LAKE NEAR KLAWOCK (LAT 55 32 16 LONG 133 01 17)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG.											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	3.1	.0	.01	.00	.00	.05	.05	.06	.01	.00	22
08...	3.3	.0	.02	.01	.00	.05	.05	.07	.01	.00	20

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.											
08...	--	--	--	38	7.5	14.0	--	10.4	--	--	--
08...	--	--	--	38	7.5	14.0	--	10.5	--	--	--
08...	--	--	--	38	7.5	14.0	--	10.6	--	--	--
08...	--	--	--	38	7.5	14.0	--	10.8	--	--	--
08...	--	--	--	38	7.4	14.0	--	10.8	--	--	--
08...	--	--	--	38	7.4	14.0	--	11.0	--	--	--
08...	--	--	--	38	7.2	14.0	--	11.1	--	--	--
08...	--	--	--	38	7.2	14.0	--	11.1	--	--	--
08...	--	--	--	38	7.3	12.0	--	11.6	--	--	--
08...	--	--	--	40	7.1	10.0	--	12.2	--	--	--
08...	--	--	--	39	7.1	10.0	--	12.3	--	--	--
08...	--	--	--	40	7.2	9.0	--	12.4	--	--	--
08...	--	--	--	40	7.0	8.0	--	12.4	--	--	--
08...	--	--	--	40	6.9	8.0	--	13.2	--	--	--
08...	--	--	--	41	6.6	7.5	--	9.0	--	--	--
08...	25	13	0	38	7.4	14.0	20	--	1.2	--	4.6
08...	24	13	0	40	6.9	8.0	20	--	3.2	.70	3.1

DATE	DEPTH (FT)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.			
08...	20	150	20
08...	62	100	30

KLAWOCK LAKE AT OUTLET NEAR KLAWOCK (LAT 55 32 58 LONG 133 02 29)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG.											
08...	1730	1.7	20	0	4.6	.5	2.5	.2	16	0	3.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

KLAWOCK LAKE AT OUTLET NEAR KLAWOCK (LAT 55 32 58 LONG 133 02 29)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG.											
08...	3.0	.0	.01	.00	.00	.01	.01	.02	.01	.00	21

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.										
08...	23	14	0	37	7.0	14.0	20	2.6	1.1	4.0

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.		
08...	130	30

SALMON LAKE NEAR KASAAN (LAT 55 34 22 LONG 132 40 36)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG.												
08...	0830	.5	--	--	--	--	--	--	--	--	--	--
08...	0832	6.5	--	--	--	--	--	--	--	--	--	--
08...	0833	10	--	--	--	--	--	--	--	--	--	--
08...	0836	19	--	--	--	--	--	--	--	--	--	--
08...	0837	23	--	--	--	--	--	--	--	--	--	--
08...	0838	26	--	--	--	--	--	--	--	--	--	--
08...	0839	29	--	--	--	--	--	--	--	--	--	--
08...	0840	33	--	--	--	--	--	--	--	--	--	--
08...	0841	36	--	--	--	--	--	--	--	--	--	--
08...	0842	39	--	--	--	--	--	--	--	--	--	--
08...	0843	42	--	--	--	--	--	--	--	--	--	--
08...	0844	46	--	--	--	--	--	--	--	--	--	--
08...	0846	56	--	--	--	--	--	--	--	--	--	--
08...	0847	62	--	--	--	--	--	--	--	--	--	--
08...	0850	98	--	--	--	--	--	--	--	--	--	--
08...	0851	115	--	--	--	--	--	--	--	--	--	--
08...	0852	131	--	--	--	--	--	--	--	--	--	--
08...	0930	19	1.8	70	0	3.4	.7	1.4	.2	9	0	2.1
08...	1200	49	1.7	10	0	3.2	.6	2.0	.1	6	0	2.3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA--Continued

SALMON LAKE NEAR KASAAN (LAT 55 34 22 LONG 132 40 36)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG.											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	2.6	.1	.03	.03	.00	.08	.08	.11	.02	.00	19
08...	2.5	.0	.08	.02	.00	.16	.16	.24	.01	.00	15

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.											
08...	--	--	--	26	7.2	14.0	--	10.4	--	--	--
08...	--	--	--	26	7.1	14.0	--	10.4	--	--	--
08...	--	--	--	26	6.9	13.0	--	10.4	--	--	--
08...	--	--	--	26	6.9	13.0	--	10.4	--	--	--
08...	--	--	--	26	6.8	12.0	--	10.5	--	--	--
08...	--	--	--	27	6.8	12.0	--	10.7	--	--	--
08...	--	--	--	27	6.8	11.5	--	10.7	--	--	--
08...	--	--	--	26	6.8	11.0	--	10.8	--	--	--
08...	--	--	--	27	6.7	9.5	--	11.1	--	--	--
08...	--	--	--	26	6.7	8.0	--	11.4	--	--	--
08...	--	--	--	26	6.6	7.5	--	11.7	--	--	--
08...	--	--	--	26	6.6	7.0	--	11.7	--	--	--
08...	--	--	--	26	6.5	7.0	--	11.7	--	--	--
08...	--	--	--	25	6.4	6.0	--	11.7	--	--	--
08...	--	--	--	25	6.4	6.0	--	11.5	--	--	--
08...	--	--	--	25	6.3	5.5	--	11.4	--	--	--
08...	--	--	--	26	6.4	4.5	--	11.0	--	--	--
08...	17	11	4	26	6.9	13.0	15	10.4	1.8	.80	5.0
08...	15	10	6	26	6.5	7.0	20	11.7	3.0	.80	5.4

DATE	DEPTH (FT)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.			
08...	19	110	20
08...	49	150	30

SALMON LAKE AT OUTLET NEAR KASAAN (LAT 55 34 30 LONG 132 38 30)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG.											
08...	1100	1.7	40	0	3.4	.7	1.5	.1	9	0	2.3

SALMON LAKE AT OUTLET NEAR KASAAN (LAT 55 34 30 LONG 132 38 30)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG.											
08...	1.9	.0	.01	.01	.00	.09	.09	.10	.02	.01	19

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.											
08...	16	11	4	26	7.2	14.0	15	10.4	.9	.60	2.6

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)
AUG.		
08...	90	30

15101600 WHEELER CREEK NEAR DOUGLAS (LAT 58 01 49 LONG 134 46 08)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
NOV.					
20...	1000	142	120	7.0	.0

15108000 PAVLOF RIVER NEAR TENAKEE (LAT 57 50 30 LONG 135 02 09)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
DEC.					
10...	1530	154	59	6.8	4.0
JULY					
25...	1000	99	--	7.8	10.0

15109000 FISH CREEK NEAR AUKE BAY (LAT 58 19 50 LONG 134 35 20)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TOTAL ORGANIC CARBON (C) (MG/L)
FEB.												
07...	1000	7.9	--	--	--	--	--	--	36	7.0	.0	--
SEP.												
26...	1035	39	.07	.00	.13	.13	.20	.01	38	7.2	8.0	4.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA

15199000 COPPER RIVER TRIBUTARY NEAR SLANA (LAT 62 43 03 LONG 144 14 21)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
JULY					
23...	1000	18	105	7.3	3.0

15200000 GAKONA RIVER AT GAKONA (LAT 62 18 06 LONG 145 18 20)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN.						
28...	1130	315	7.4	.5	2	11.0

GUNN CREEK NEAR PAXSON (LAT 63 10 12 LONG 145 31 55)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JAN.								
27...	0830	80	6.8	.5	6	12.2	<1	<1

SUMMIT LAKE NORTH END NEAR PAXSON (LAT 63 09 22 LONG 145 32 36)

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
JAN.						
26...	1530	10	75	7.7	1.0	12.0

SUMMIT LAKE NEAR PAXSON (LAT 63 06 27 LONG 145 32 30)

DATE	TIME	DEPTH (FT)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JUNE							
27...	0800	.0	50	75	7.6	4.0	2
27...	0802	15	--	--	--	4.0	--
27...	0804	30	--	--	--	4.0	--
27...	0806	45	--	--	--	4.0	--

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE						
27...	5	11.4	2.0	<1	<1	.5
27...	--	11.2	--	--	--	--
27...	--	11.2	--	--	--	--
27...	--	11.2	--	--	--	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15200170 FISH CREEK AT MILE 191 RICHARDSON HIGHWAY NEAR PAXSON (LAT 63 06 00 LONG 145 29 16)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN. 26...	1430	73	7.5	.5	2	13.1

SEVENMILE LAKE NEAR PAXSON (LAT 63 06 00 LONG 145 37 15)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
JUNE 24...	1500	1.7	60	110	5.6	2.0	.7	.1	33	1.1

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUNE 24...	1.1	.0	.02	.02	.02	.20	.22	.24	.00

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	.00	43	29	22	0	54	4.0	20	3.4

DATE	TOTAL BORON (B) (UG/L)
JUNE 24...	80

GULKANA SPRING NEAR PAXSON (LAT 63 03 55 LONG 145 30 45)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
JAN. 26...	1130	105	7.6	4.0	10.6

GULKANA RIVER 2 MILES UPSTREAM FROM PAXSON (LAT 63 03 20 LONG 145 30 00)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN. 26...	1100	94	7.8	3.0	1	12.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ONE MILE CREEK NEAR PAXSON (LAT 63 01 06 LONG 145 29 18)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN. 26...	1030	120	7.8	.5	1	13.2

PAXSON LAKE NEAR PAXSON (LAT 62 57 06 LONG 145 31 24)

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
JAN. 26...	0930	8.0	90	7.4	.5	10.1

REKA LAKE NEAR EUREKA (LAT 62 02 50 LONG 147 07 15)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
JUNE 26...	1300	2.3	130	10	4.8	1.6	.8	.4	12	3.0

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUNE 26...	1.5	.0	.00	.01	.02	.45	.47	.47	.01

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 26...	.00	33	21	19	9	29	10.5	100	20

DATE	TOTAL BORON (B) (UG/L)
JUNE 26...	300

CRATER LAKE NEAR TAZLINA LODGE (LAT 62 06 07 LONG 146 22 30)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAY 26...	1700	2.0	7.3	50	60	32	6.0	2.0	1.1	113

CRATER LAKE NEAR TAZLINA LODGE (LAT 62 06 07 LONG 146 22 30)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 26...	9.0	1.0	.1	.01	.01	.01	.70	.71	.72	.02

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 26...	.01	150	115	100	12	202	5.5	35	29

DATE	TOTAL BORON (B) (UG/L)
MAY 26...	40

TRAPPERS DEN LAKE NEAR TAZLINA LODGE (LAT 62 05 35 LONG 146 17 27)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 26...	1530	2.0	9.2	30	0	49	11	5.3	1.4	163

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 26...	40	1.3	.1	.28	.01	.01	.77	.78	1.1	.04

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 26...	.01	235	198	170	34	404	5.0	20	28

DATE	TOTAL BORON (B) (UG/L)
MAY 26...	140

TOLSONA LAKE NEAR GLENNALLEN (LAT 62 07 25 LONG 146 03 15)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAY 26...	1415	2.0	2.2	20	10	26	7.1	6.3	1.2	100

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY 26...	2.7	16	.1	.04	.02	.00	.64	.64	.68	.02

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 26...	.00	138	111	94	12	250	1.0	5	19

DATE	TOTAL BORON (B) (UG/L)
MAY 26...	150

15202000 TAZLINA RIVER NEAR GLENNALLEN (LAT 62 03 20 LONG 145 25 34)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JAN. 23...	1500	150	7.9	.5	30	13.0	--	--
28...	1300	--	--	--	--	--	<1	<1

15206000 KLUTINA RIVER AT COPPER CENTER (LAT 61 57 10 LONG 145 18 20)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN. 23...	1630	110	7.7	.0	35	13.4

TONSINA RIVER SITE 1 NEAR TONSINA (LAT 61 35 47 LONG 145 13 43)

DATE	TIME	TURBIDITY (JTU)
APR. 11...	1930	25
13...	1830	20
14...	0905	20

NOTE--Collected during pipeline crossing.

LITTLE TONSINA RIVER SITE A NEAR TONSINA (LAT 61 27 50 LONG 145 06 50)

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)
JULY		
25...	0815	1.1

LITTLE TONSINA RIVER SITE A1 NEAR TONSINA (LAT 61 28 55 LONG 145 08 42)

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
APR.						
11...	1600	--	2	--	--	--
13...	1700	--	3	--	--	--
MAY						
30...	1015	3.5	2	75	38	7.7

NOTE--April data collected during pipeline crossing.

LITTLE TONSINA RIVER SITE B1 NEAR TONSINA (LAT 61 28 54 LONG 145 08 54)

DATE	TIME	TUR-BID-ITY (JTU)
APR.		
13...	1707	3
16...	1430	35

NOTE--Collected during pipeline crossing.

LITTLE TONSINA RIVER SITE 1 NEAR TONSINA (LAT 61 29 25 LONG 145 11 23)

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TOTAL ORGANIC CARBON (C) (MG/L)
APR.					
13...	0930	--	5	--	--
13...	1145	--	6	--	--
13...	1315	.5	--	152	4.4
14...	0555	--	6	--	--
16...	1450	--	25	--	--

NOTE--Collected during pipeline crossing.

LITTLE TONSINA RIVER SITE 2 NEAR TONSINA (LAT 61 29 30 LONG 145 11 24)

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TOTAL ORGANIC CARBON (C) (MG/L)
APR.					
11...	1630	--	175	--	--
11...	2030	--	130	--	--
12...	1030	--	300	--	--
13...	0945	--	130	--	--
13...	1150	--	400	--	--
13...	1300	.5	1500	145	52
14...	0600	--	45	--	--
16...	1455	--	95	--	--

NOTE--Collected during pipeline crossing.

LITTLE TONSINA RIVER SITE 3 NEAR TONSINA (LAT 61 29 35 LONG 145 11 30)

DATE	TIME	TURBIDITY (JTU)
APR.		
13...	1000	125
13...	1200	150
13...	1305	1250
14...	0610	55
16...	1500	90

NOTE--Collected during pipeline crossing.

LITTLE TONSINA RIVER SITE 4 NEAR TONSINA (LAT 61 30 14 LONG 145 13 07)

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
APR.						
11...	1800	--	65	--	--	--
11...	2100	--	60	--	--	--
13...	1030	--	120	--	--	--
13...	1340	--	90	--	--	--
13...	1500	--	80	--	--	--
13...	1530	--	80	--	--	--
14...	0730	--	80	--	--	--
16...	1515	--	50	--	--	--
MAY						
30...	1450	7.0	10	117	108	34

NOTE--April data collected during pipeline crossing.

15207900 LITTLE TONSINA RIVER ABOVE TONSINA RIVER NEAR TONSINA (LAT 61 35 38 LONG 145 13 14)

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)
JULY		
25...	0845	3.8

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
APR.						
11...	1915	--	35	--	--	--
13...	1050	--	45	--	--	--
13...	1855	--	35	--	--	--
14...	0850	--	15	--	--	--
16...	1320	--	25	--	--	--
MAY						
30...	1640	7.5	25	160	96	41

NOTE--April data collected during pipeline crossing.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

TONSINA RIVER SITE 2 NEAR TONSINA (LAT 61 37 56 LONG 145 11 43)

DATE	TIME	TUR-BID-ITY (JTU)
APR.		
11...	2005	20
13...	1905	20
14...	0930	15

NOTE--Collected during pipeline crossing of Little Tonsina River.

WILLIAMS SPRING NEAR TONSINA (LAT 61 39 03 LONG 145 10 30)

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
JAN.					
25...	0745	121	6.7	1.5	11.5

15208000 TONSINA RIVER AT TONSINA (LAT 61 39 48 LONG 145 10 50)

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
JAN.						
25...	0915	90	7.2	.5	31	13.1
APR.						
11...	2000	--	--	--	15	--
13...	1915	--	--	--	20	--
14...	0940	--	--	--	15	--

NOTE--April data collected during pipeline crossing of Little Tonsina River.

15208100 SQUIRREL CREEK AT TONSINA (LAT 61 40 05 LONG 145 10 26)

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
JAN.						
25...	0845	160	7.7	.5	4	13.8

VAN LAKE NEAR STRELNA (LAT 61 29 54 LONG 144 08 25)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE										
16...	1100	2.0	1.6	40	0	32	5.1	1.7	2.0	123

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE										
16...	1.6	.8	.2	.13	.02	.02	.45	.47	.60	.08

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

VAN LAKE NEAR STRELNA (LAT 61 29 54 LONG 144 08 25)--Continued

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 16...	.00	120	106	100	0	196	15.0	19	9.4

15212000 COPPER RIVER NEAR CHITINA (LAT 61 27 56 LONG 144 27 21)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
JULY 16...	1700	160000	4.0	62000	290	1300	10	21	3.1	3.6

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
JULY 16...	1.5	63	0	13	2.4	.1	.05	.01	78

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JULY 16...	80	65	14	142	8.2	10.5	700	30	.6

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY 16...	46000	30	400	<10	70	210	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 16...	.4	2	50	0	<10	100

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JULY 16...	1700	10.5	700	160000	3230	1400000	16	21

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
JULY 16...	28	30	47	57	72	94	99	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15212600 TIEKEL RIVER NEAR TIEKEL (LAT 61 16 56 LONG 145 16 23)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN. 24...	0900	130	7.3	.5	0	12.0

15213300 TSINA RIVER ABOVE STUART CREEK NEAR TIEKEL (LAT 61 15 25 LONG 145 16 51)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JAN. 24...	1045	160	8.0	1.0	0	12.4

15216000 POWER CREEK NEAR CORDOVA (LAT 60 35 14 LONG 145 37 05)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
JUNE 06...	1030	330	2.8	10	0	6.1	.4	1.6	.1	19	3.5	1.5

DATE	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JUNE 06...	.0	.05	.00	26	17	1	46	4.5	1	0	.0

DATE	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
JUNE 06...	0	0	0	0	0	0	0	0	0

EYAK LAKE (S3) NEAR CORDOVA (LAT 60 32 35 LONG 145 44 04)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUNE 06...	1045	.5	.9	40	0	3.9	1.8	2.9	.1	14
06...	1046	3.3	--	--	--	--	--	--	--	--
06...	1047	6.6	--	--	--	--	--	--	--	--
06...	1048	8.2	--	--	--	--	--	--	--	--

EYAK LAKE (S3) NEAR CORDOVA (LAT 60 32 35 LONG 145 44 04)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
JUNE										
06...	1.5	3.6	.0	.01	.00	22	17	6	38	7.3
06...	--	--	--	--	--	--	--	--	39	--
06...	--	--	--	--	--	--	--	--	38	--
06...	--	--	--	--	--	--	--	--	38	--

DATE	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JUNE									
06...	11.0	5	7	11.0	1.1	# 3	<1	1.6	.1
06...	10.5	--	--	11.8	--	--	--	--	--
06...	10.5	--	--	11.9	--	--	--	--	--
06...	10.5	--	--	12.0	--	--	--	--	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE									
06...	0	0	0	0	0	1	0	0	0

EYAK LAKE (S5) NEAR CORDOVA (LAT 60 32 25 LONG 145 43 10)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE										
06...	1145	.5	.7	30	0	3.9	.3	2.9	.1	16
06...	1146	3.3	--	--	--	--	--	--	--	--
06...	1147	6.5	--	--	--	--	--	--	--	--
06...	1148	8.2	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
JUNE										
06...	1.5	3.3	.0	.01	.00	21	11	0	38	7.5
06...	--	--	--	--	--	--	--	--	38	--
06...	--	--	--	--	--	--	--	--	39	--
06...	--	--	--	--	--	--	--	--	39	--

DATE	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JUNE									
06...	11.0	1	4	11.7	.8	<1	<1	1.3	.0
06...	10.5	--	--	12.1	--	--	--	--	--
06...	10.5	--	--	12.3	--	--	--	--	--
06...	10.5	--	--	12.3	--	--	--	--	--

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

EYAK LAKE (S5) NEAR CORDOVA (LAT 60 32 25 LONG 145 43 10)

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE									
06...	0	0	0	0	0	0	0	0	0

EYAK LAKE (S4) NEAR CORDOVA (LAT 60 32 33 LONG 145 42 55)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE										
06...	1115	.5	.9	30	0	4.0	.3	3.1	.1	20
06...	1116	3.3	--	--	--	--	--	--	--	--
06...	1117	6.6	--	--	--	--	--	--	--	--
06...	1118	7.5	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
JUNE										
06...	1.7	3.1	.0	.02	.00	23	11	0	39	7.5
06...	--	--	--	--	--	--	--	--	39	--
06...	--	--	--	--	--	--	--	--	39	--
06...	--	--	--	--	--	--	--	--	39	--

DATE	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JUNE									
06...	11.0	3	2	11.6	1.0	<1	# 1	1.2	.1
06...	10.5	--	--	12.2	--	--	--	--	--
06...	10.5	--	--	12.2	--	--	--	--	--
06...	10.5	--	--	12.2	--	--	--	--	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE									
06...	0	0	0	10	1	0	0	0	0

EYAK LAKE (S6) NEAR CORDOVA (LAT 60 32 39 LONG 145 42 03)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE										
06...	1215	.5	.9	30	0	4.3	.6	3.0	.2	17
06...	1216	3.3	--	--	--	--	--	--	--	--
06...	1217	6.6	--	--	--	--	--	--	--	--
06...	1218	9.8	--	--	--	--	--	--	--	--

Non-Ideal Colony Count

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

EYAK LAKE (S6) NEAR CORDOVA (LAT 60 32 39 LONG 145 42 03)--Continued

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
JUNE										
06...	1.9	3.1	.0	.01	.00	22	13	0	40	7.7
06...	--	--	--	--	--	--	--	--	40	--
06...	--	--	--	--	--	--	--	--	46	--
06...	--	--	--	--	--	--	--	--	47	--

DATE	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JUNE									
06...	12.0	1	3	11.8	.5	<1	<1	1.2	.0
06...	11.0	--	--	12.0	--	--	--	--	--
06...	10.0	--	--	12.4	--	--	--	--	--
06...	10.0	--	--	12.7	--	--	--	--	--

DATE	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
JUNE									
06...	0	0	0	0	0	0	0	0	0

EYAK RIVER AT BRIDGE NEAR CORDOVA (LAT 60 33 06 LONG 145 38 37)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
JUNE								
06...	1145	1.0	17	1.8	3.2	.0	.00	.00

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JUNE							
06...	42	4.0	1	2	# 2	<1	.0

DATE	DISSOLVED SELENIUM (SE) (UG/L)
JUNE	
06...	0

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

MEALS LAKE AT CORDOVA (LAT 60 32 00 LONG 145 44 50)

DATE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
JUNE 26...	.5	50	0	2.9	.9	.9	.0	7	1.1	1.3

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
JUNE 26...	.0	.01	.00	11	11	5	12	10.0	25

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE 26...	1	0	0	1	1	1	0	0	0

15225950 ALLISON CREEK NEAR VALDEZ (LAT 61 05 07 LONG 145 21 00)

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
JAN. 24...	1615	50	7.3	.0	1	14.4

15226000 SOLOMON GULCH NEAR VALDEZ (LAT 61 04 51 LONG 146 18 12)

DATE	TIME	TUR-BID-ITY (JTU)
JAN. 24...	1700	70

15226500 LOWE RIVER NEAR VALDEZ (LAT 61 05 49 LONG 145 51 32)

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
JAN. 24...	1330	170	7.6	.5	1	12.2	# 62	# 4

ROBE LAKE WEST END NEAR VALDEZ (LAT 61 05 27 LONG 146 10 36)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 05...	1445	1.5	3.6	150	780	14	.3	1.9	.6	44

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ROBE LAKE WEST END NEAR VALDEZ (LAT 61 05 27 LONG 146 10 36)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 05...	1.2	2.7	.0	.53	.48	.24	.10	.34	.87	.00

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 05...	.01	48	49	36	0	87	8.0	1	2.1

DATE	TOTAL BORON (B) (UG/L)
JUNE 05...	100

15226900 ROBE RIVER NEAR VALDEZ (LAT 61 05 26 LONG 146 11 53)

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
JAN. 24...	1430	140	6.6	.5	4	5.6	# 15	<1	<1

BEAR LAKE NEAR SEWARD (LAT 60 11 25 LONG 149 22 00)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 04...	1300	.0	4.7	40	30	17	.2	2.7	.9	40

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 04...	7.0	4.0	.0	.05	.02	.00	.05	.05	.10	.01

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 04...	.00	56	56	43	10	92	5.0	7	7.2

DATE	TOTAL BORON (B) (UG/L)
JUNE 04...	170

Non-Ideal Colony Count

15241600 NINILCHIK RIVER AT NINILCHIK (LAT 60 02 56 LONG 151 39 48)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
MAY									
13...	1800	788	9.8	480	50	2.4	1.0	1.9	1.4

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
MAY									
13...	18	0	2.2	1.7	.0	.10	.06	43	30

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
MAY								
13...	10	0	30	6.4	3.0	5	65	11

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAY						
13...	1800	3.0	5	788	44	94

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM	SUS. SED. SIEVE DIAM. % FINER THAN 2.00 MM
MAY						
13...	42	56	88	94	95	100

CENTENNIAL (BOUNDARY) LAKE NEAR NINILCHIK (LAT 60 15 27 LONG 151 13 09)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
MAY										
20...	1030	.3	30	80	1.5	.8	1.8	1.1	10	.5

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY									
20...	1.8	.0	.05	.05	.17	.52	.69	.74	.03

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

CENTENNIAL (BOUNDARY) LAKE NEAR NINILCHIK (LAT 60 15 27 LONG 151 13 09)--Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 20...	.01	17	13	7	0	26	4.5	0	4.8

DATE	TOTAL BORON (B) (UG/L)
MAY 20...	40

JOHNSON LAKE NEAR SOLDOTNA (LAT 60 17 33 LONG 151 15 52)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 20...	1130	.0	1.3	170	200	5.4	1.5	3.4	1.4	30

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 20...	0	.5	1.7	.1	.00	.02	.05	.53	.58	.58

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 20...	.03	.01	39	31	20	0	50	4.5	10	5.8

SOUTH JOSEPH LAKE NEAR SOLDOTNA (LAT 60 23 15 LONG 151 10 55)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 20...	1230	.1	30	10	.4	.1	1.3	.7	1	.6

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 20...	1.5	.0	.03	.03	.02	.10	.12	.15	.00

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

SOUTH JOSEPH LAKE NEAR SOLDOTNA (LAT 60 23 15 LONG 151 10 55)--Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY									
20...	.01	7	5	1	1	10	5.0	0	3.3

DATE	TOTAL BORON (B) (UG/L)
MAY	
20...	50

JEROME LAKE NEAR COOPER LANDING (LAT 60 33 00 LONG 149 34 55)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY										
21...	1500	.0	6.4	70	5	15	.7	3.3	.4	40

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY										
21...	3.3	3.8	.1	.53	.52	.17	.32	.49	1.0	.00

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY									
21...	.00	54	55	40	8	97	4.0	5	4.0

DATE	TOTAL BORON (B) (UG/L)
MAY	
21...	40

COOPER LAKE NEAR COOPER LANDING (LAT 60 23 05 LONG 149 43 20)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE										
09...	1400	.0	2.6	20	10	11	1.0	1.7	.2	36

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE										
09...	4.6	1.8	.0	.24	.24	.00	.08	.08	.32	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

COOPER LAKE NEAR COOPER LANDING (LAT 60 23 05 LONG 149 43 20)--Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 09...	.00	39	42	32	2	74	4.5	5	2.5

DATE	TOTAL BORON (B) (UG/L)
JUNE 09...	60

UPPER RUSSIAN LAKE NEAR COOPER LANDING (LAT 60 20 00 LONG 149 52 15)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 29...	1315	.0	3.1	90	10	9.5	.6	1.5	.4	26

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 29...	3.8	1.7	.0	.50	.50	.00	.21	.21	.71	.01

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	.01	38	36	26	5	63	2.0	0	1.0

DATE	TOTAL BORON (B) (UG/L)
MAY 29...	50

LOWER RUSSIAN LAKE NEAR COOPER LANDING (LAT 60 26 07 LONG 149 59 15)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 29...	1000	4.4	50	10	12	.9	1.7	.5	37

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 29...	5.0	1.7	.0	.66	.66	.00	.13	.13	.79

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

LOWER RUSSIAN LAKE NEAR COOPER LANDING (LAT 60 26 07 LONG 149 59 15)--Continued

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	.01	.01	46	47	34	3	78	3	2.9

DATE	TOTAL BORON (B) (UG/L)
MAY 29...	7

UPPER JEAN LAKE NEAR STERLING (LAT 60 31 40 LONG 150 12 26)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
MAY 21...	1400	1.4	30	10	26	2.2	2.4	.9	88	2.7

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY 21...	2.7	.1	.00	.00	.05	.41	.46	.46	.00

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITULNTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 21...	.00	86	82	74	2	153	5.0	0	3.4

DATE	TOTAL BORON (B) (UG/L)
MAY 21...	10

LOWER JEAN LAKE NEAR STERLING (LAT 60 30 00 LONG 150 09 50)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAY 21...	1100	.0	7.2	30	5	39	3.0	2.8	.7	121

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY 21...	11	2.6	.1	.16	.16	.00	.35	.35	.51	.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

LOWER JEAN LAKE NEAR STERLING (LAT 60 30 00 LONG 150 09 50)--Continued

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY									
21...	.01	124	127	110	11	223	5.0	4	2.1

DATE	TOTAL BORON (B) (UG/L)
MAY	
21...	210

HIDDEN CREEK NEAR COOPER LANDING (LAT 60 27 30 LONG 150 11 45)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAY										
21...	1300	.0	5.7	10	0	27	2.9	3.6	1.2	94

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY										
21...	2.6	3.2	.1	.00	.00	.01	.29	.30	.30	.03

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY									
21...	.01	96	93	79	2	170	5.0	0	5.4

DATE	TOTAL BORON (B) (UG/L)
MAY	
21...	10

SKILAK LAKE OUTLET NEAR STERLING (LAT 60 28 10 LONG 150 29 42)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAY										
21...	1400	.0	3.5	20	40	9.0	.8	1.6	.9	29

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY										
21...	2.7	.9	.1	.08	.08	.02	.16	.18	.26	.02

SKILAK LAKE OUTLET NEAR STERLING (LAT 60 28 10 LONG 150 29 42)--Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY									
21...	.00	31	34	26	2	51	2.0	4	5.2

DATE	TOTAL BORON (B) (UG/L)
MAY	
21...	30

WATSON LAKE NEAR STERLING (LAT 60 32 15 LONG 150 27 47)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY											
22...	1600	12	7.4	400	80	17	2.1	2.5	1.1	64	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
MAY											
22...	1.1	1.3	.1	.00	.01	.03	.43	.46	.46	.05	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY										
22...	69	65	51	0	100	7.5	5.0	25	3.2	5.3

DATE	TOTAL BORON (B) (UG/L)
MAY	
22...	20

SUNKEN ISLAND LAKE NEAR STERLING (LAT 60 35 48 LONG 150 52 35)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY											
22...	1320	.8	1.3	300	250	6.1	1.7	2.0	1.5	28	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
MAY											
22...	.9	1.7	.1	.02	.01	.07	.42	.49	.51	.01	.00

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

SUNKEN ISLAND LAKE NEAR STERLING (LAT 60 35 48 LONG 150 52 35)--Continued

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 22...	31	30	22	0	45	7.0	5.0	10	12.6	4.5	3.1

DATE	TOTAL BORON (B) (UG/L)
MAY 22...	180

SCOUT LAKE NEAR STERLING (LAT 60 32 04 LONG 150 50 22)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 22...	1630	.0	.8	30	30	5.5	.8	1.5	1.1	16

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 22...	.5	1.7	.1	.11	.14	.11	.75	.86	.97	.01

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 22...	.00	27	20	17	4	31	5.5	2	7.0

DATE	TOTAL BORON (B) (UG/L)
MAY 22...	30

LONGMARE LAKE NEAR STERLING (LAT 60 30 30 LONG 150 54 23)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 20...	1130	.0	.1	40	80	1.2	.4	1.5	.7	4

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 20...	0	.5	1.0	.1	.02	.02	.58	.52	1.1	1.1

LONGMARE LAKE NEAR STERLING (LAT 60 30 30 LONG 150 54 23)--Continued

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 20...	.00	.00	15	8	5	1	19	5.0	3	3.1

DATE	TOTAL BORON (B) (UG/L)
MAY 20...	0

SPORT LAKE NEAR SOLDOTNA (LAT 60 30 50 LONG 151 03 15)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAY 20...	1020	.0	.4	190	40	2.3	.7	1.9	.8	12

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
MAY 20...	0	.9	1.9	.1	.01	.04	.05	.58	.63	.64

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 20...	.01	.00	27	15	9	0	25	5.0	15	9.4

DATE	TOTAL BORON (B) (UG/L)
MAY 20...	20

CABIN LAKE NEAR KENAI (LAT 60 40 25 LONG 151 19 27)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
MAY 27...	1400	.2	70	30	1.6	.5	1.7	.6	9	1.2

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY 27...	2.8	.1	.11	.11	1.2	6.2	7.4	7.5	.01

CABIN LAKE NEAR KENAI (LAT 60 40 25 LONG 151 19 27)—Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 27...	.00	16	14	6	0	28	5.0	1	.6

DATE	TOTAL BORON (B) (UG/L)
MAY 27...	90

TIRMORE (SHORT PINE) LAKE NEAR KENAI (LAT 60 42 28 LONG 151 14 10)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 27...	1230	.0	1.0	30	30	3.5	.8	2.7	1.1	16

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 27...	.9	3.2	.0	.08	.08	.51	.37	.88	.96	.00

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 27...	.01	24	22	12	0	42	4.5	0	2.9

DANIELS LAKE NEAR KENAI (LAT 60 43 48 LONG 151 10 07)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 29...	1500	.0	1.1	30	20	8.7	1.6	3.2	1.5	44

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 29...	1.1	3.6	.1	.04	.04	.01	.29	.30	.34	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

DANIELS LAKE NEAR KENAI (LAT 60 43 48 LONG 151 10 07)--Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	.00	44	43	28	0	81	4.5	0	7.9

DATE	TOTAL BORON (B) (UG/L)
MAY 29...	40

GRUSKKA LAKE NEAR STERLING (LAT 60 45 27 LONG 150 46 57)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY 22...	1215	.0	6.4	310	240	17	2.5	2.9	1.6	61	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
MAY 22...	1.5	2.4	.1	.02	.00	.03	.46	.49	.51	.01	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 22...	76	65	53	3	115	7.0	5.0	25	9.8	11

DATE	TOTAL BORON (B) (UG/L)
MAY 22...	30

RAINBOW LAKE NEAR STERLING (LAT 60 42 57 LONG 150 48 30)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 22...	1320	.0	.5	60	20	3.8	1.3	1.8	.9	17

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 22...	.7	2.2	.0	.01	.01	.19	.81	1.0	1.0	.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

RAINBOW LAKE NEAR STERLING (LAT 60 42 57 LONG 150 48 30)--Continued

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 22...	.00	35	20	15	1	37	4.5	5	8.5

DATE	TOTAL BORON (B) (UG/L)
MAY 22...	7

SUMMIT LAKE NEAR COOPER LANDING (LAT 60 38 30 LONG 149 29 30)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 30...	1300	.0	3.7	30	20	11	.0	1.5	.2	32

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 30...	2.9	1.0	.0	.18	.18	.01	.17	.18	.36	.02

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 30...	.00	41	37	27	1	58	4.5	6	1.8

DATE	TOTAL BORON (B) (UG/L)
MAY 30...	30

15273900 SOUTH FORK CAMPBELL CREEK AT CANYON MOUTH NEAR ANCHORAGE (LAT 61 08 52 LONG 149 43 12)

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
SEP. 25...	0900	120	0	25	0	.08	.03	.00

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 25...	65	6.6	6.5	0	0	10	1.9

15273900 SOUTH FORK CAMPBELL CREEK AT CANYON MOUTH NEAR ANCHORAGE (LAT 61 08 52 LONG 149 43 12) --Continued

DATE	TOTAL DI-AZINON (UG/L)	TOTAL ETHION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL METHYL TRI-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL TRI-THION (UG/L)
SEP. 25...	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 25...	0	0	2

15274300 NORTH FORK CAMPBELL CREEK NEAR ANCHORAGE (LAT 61 10 14 LONG 149 45 40)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)
SEP. 25...	1030	36	1900	0	37	0	.19	.03

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 25...	.00	100	6.4	7.0	0	1	24	1.6

DATE	TOTAL DI-AZINON (UG/L)	TOTAL ETHION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL METHYL TRI-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL TRI-THION (UG/L)
SEP. 25...	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 25...	0	0	2

15274600 CAMPBELL CREEK NEAR SPENARD (LAT 61 08 17 LONG 149 55 20)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)
SEP. 25...	1100	166	1100	40	32	0	.10	.03

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 25...	.00	90	6.4	7.5	6	6	20	3.8

15274600 CAMPBELL CREEK NEAR SPENARD (LAT 61 08 17 LONG 149 55 20)--Continued

DATE	TOTAL DI-AZINON (UG/L)	TOTAL ETHION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL METHYL TRI-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL TRI-THION (UG/L)
SEP. 25...	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 25...	0	0	5

SAND LAKE (EAST CANAL S1) NEAR SPENARD (LAT 61 09 05 LONG 149 57 18)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
FEB. 04...	1545	24	43000	42000	2200	2400	46	19	6.7	1.6	233	8.0

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
FEB. 04...	11	.1	.00	.01	232	276	190	2	395	.0	100

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
FEB. 04...	1600	24	<10	0	1700	<100	0	<10	40

SAND LAKE AT EAST END NEAR SPENARD (LAT 61 09 12 LONG 149 57 29)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
FEB. 05...	1230	.7	60	10	10	10	5.7	2.1	3.8	2.1	22	8.7

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
FEB. 05...	5.3	.1	.04	.00	47	40	23	5	67	.5	10

SAND LAKE AT EAST END NEAR SPENARD (LAT 61 09 12 LONG 149 57 29)--Continued

DATE	TOTAL ALUM- INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
FEB.									
05...	100	0	<10	0	130	<100	0	<10	10

BRENTWOOD SUBDIVISION URBAN RUN OFF NEAR ANCHORAGE (LAT 61 09 03 LONG 149 57 06)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
MAR.												
28...	1600	--	13000	22	0	--	--	--	750	6.7	1.5	7.0
30...	1600	--	37000	22	0	--	--	--	800	6.8	1.5	5.6
APR.												
01...	1600	--	31000	20	0	--	--	--	700	6.8	1.5	5.1
02...	1700	--	24000	28	0	--	--	--	650	7.2	2.0	2.8
03...	1500	--	15000	22	0	--	--	--	675	7.2	1.5	2.2
05...	1700	--	55000	18	0	--	--	--	700	6.5	2.0	9.1
06...	1500	--	20000	10	0	140	5.2	.37	750	6.4	4.0	6.4
07...	1600	--	33000	17	0	74	3.9	.31	360	6.5	5.0	8.6
08...	1600	--	17000	23	0	.0	--	--	440	6.9	2.0	4.6
09...	1400	--	21000	17	0	52	--	--	330	7.0	1.0	2.7
10...	1600	--	30000	18	0	63	--	--	--	6.8	2.0	4.6
12...	1600	E.40	82000	--	--	--	--	--	220	--	4.0	--
15...	1115	E.20	15000	--	--	--	--	--	120	--	3.5	--
17...	1430	E.50	11000	24	--	16	1.7	.50	95	6.8	4.0	6.1

DATE	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAR.				
28...	2	10	80	900
30...	1	50	110	2000
APR.				
01...	2	50	100	2000
02...	1	40	75	900
03...	1	20	75	800
05...	0	80	130	3000
06...	1	30	85	900
07...	2	50	110	1000
08...	1	0	70	700
09...	1	30	90	900
10...	1	20	90	4000
12...	10	80	140	1000
15...	10	10	40	400
17...	10	10	20	300

NOTE--Storm water (prior to entering natural channel).

E Estimate

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15274700 SAND LAKE NEAR SPENARD (LAT 61 09 03 LONG 149 58 25)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 30...	1500	1.0	.2	30	0	4.7	1.9	3.2	1.7	11

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 30...	7.2	5.2	.0	.01	.01	.01	.58	.59	.60	.02

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 30...	.01	36	30	20	11	58	10.0	4	6.0

DATE	TOTAL BORON (B) (UG/L)
MAY 30...	60

JEWEL LAKE NEAR ANCHORAGE (LAT 61 08 23 LONG 149 57 41)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 30...	1415	.1	60	30	5.1	2.1	5.0	2.3	23

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 30...	2.7	7.6	.1	.04	.04	.15	.95	1.1	1.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

JEWEL LAKE NEAR ANCHORAGE (LAT 61 08 23 LONG 149 57 41)--Continued

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 30...	.02	.01	45	37	21	3	10.0	5	8.5

DATE	TOTAL BORON (B) (UG/L)
MAY 30...	300

DELONG LAKE NEAR SPENARD (LAT 61 09 47 LONG 149 57 20)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 22...	1000	.1	200	60	2.5	.8	4.1	1.9	8	2.3

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
MAY 22...	6.4	.1	.00	.01	.01	.50	.51	.51	.02

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 22...	.01	30	22	10	3	43	10.0	10	4.4

DATE	TOTAL BORON (B) (UG/L)
MAY 22...	6

CONNORS LAKE NORTHWEST CORNER NEAR ANCHORAGE (LAT 61 10 02 LONG 149 56 08)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
SEP. 12...	1300	.9	150	20	11	3.6	2.6	.4	44

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
SEP. 12...	0	3.8	2.6	.1	.42	.00	49	47	42

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

CONNORS LAKE NORTHWEST CORNER NEAR ANCHORAGE (LAT 61 10 02 LONG 149 56 08)--Continued

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
SEP. 12...	6	89	7.8	10.5	12	10.7	1.1	7.5

CONNORS LAKE NEAR ANCHORAGE (LAT 61 10 03 LONG 149 55 44)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
SEP. 12...	1200	.1	10	20	12	2.4	2.9	.4	48

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
SEP. 12...	0	2.5	3.1	.1	.04	.00	61	47	40

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
SEP. 12...	0	101	7.9	10.5	18	10.4	1.0	8.6

CAMPBELL POINT LAKE NEAR ANCHORAGE (LAT 61 09 49 LONG 150 01 20)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
MAY 27...	1000	.0	130	50	2.1	.8	2.4	2.6	11	2.0

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAY 27...	3.6	.1	.12	.11	.07	.71	.78	.90	.01

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 27...	.00	24	20	9	0	38	8.5	5	4.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

CAMPBELL POINT LAKE NEAR ANCHORAGE (LAT 61 09 49 LONG 150 01 20)--Continued

DATE	TOTAL BORON (B) (UG/L)
MAY 27...	30

DITCH INTO SOUTH END LAKE SPENARD NEAR ANCHORAGE (LAT 61 10 34 LONG 149 57 02)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
APR. 18...	1415	E1.5	1900	220	3.6	80	.47	400	8.3	.5	1.6

DATE	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
APR. 18...	<10	10	60	6500

15274790 FISH CREEK AT NORTHERN LIGHTS BOULEVARD NEAR ANCHORAGE (LAT 61 11 45 LONG, 149 55 30)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
SEP. 26...	1100	E7.0	3100	540	.60	2.0	.00

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 26...	325	7.2	9.0	0	28	16

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 26...	2	0	3

SOUTH BRANCH OF SOUTH FORK CHESTER CREEK AT TANK TRAIL NEAR ANCHORAGE (LAT 61 11 25 LONG 149 42 13)

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 26...	0900	60	0	.27	.02	.00	105	7.6	5.0	6	2.9

DATE	TOTAL DIAZINON (UG/L)	TOTAL ETHION (UG/L)	TOTAL MALATHION (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL METHYL TRITHION (UG/L)	TOTAL PARATHION (UG/L)	TOTAL TRITHION (UG/L)
SEP. 26...	.00	.00	.00	.00	.00	.00	.00

E Estimate

SOUTH BRANCH OF SOUTH FORK CHESTER CREEK AT TANK TRAIL NEAR ANCHORAGE (LAT 61 11 25 LONG 149 42 13)--Continued

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 26...	0	0	1

15274800 SOUTH BRANCH SOUTH FORK CHESTER CREEK NEAR ANCHORAGE (LAT 61 12 37 LONG 149 43 25)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
SEP. 26...	1000	E23	3500	160	.21	.05	.00

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 26...	120	7.6	6.0	40	56	13

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 26...	2	0	3

15275100 CHESTER CREEK AT ARCTIC BOULEVARD AT ANCHORAGE (LAT 61 12 19 LONG 149 53 43)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
SEP. 26...	1045	35	1200	160	.29	.09	.00

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 26...	225	7.6	7.5	8	10	5.5

DATE	TOTAL DI-AZINON (UG/L)	TOTAL ETHION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL METHYL TRI-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL TRI-THION (UG/L)
SEP. 26...	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP. 26...	0	0	4

E Estimate

15276550 SHIP CREEK ABOVE POWER PLANT AT ELMENDORF AIR FORCE BASE (LAT 61 13 58 LONG 149 49 16)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
JAN. 31...	1600	11	30	230	38	6.2	2.7	.7	127	0	15	2.3

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JAN. 31...	.0	.25	.01	133	140	120	16	7.6	.5	0	5.1

DATE	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JAN. 31...	0	0	0	1	2	0	5	10

15277395 UPPER FIRE LAKE OUTLET NEAR EAGLE RIVER (LAT 61 20 58 LONG 149 31 51)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 03...	1000	3.0	8.8	50	0	24	3.6	1.8	.6	78

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
JUNE 03...	8.0	1.7	.1	1.1	1.1	.01	.33	.34	1.4

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 03...	.01	.01	91	92	75	11	153	8	5.1

DATE	TOTAL BORON (B) (UG/L)
JUNE 03...	70

15281000 KNIK RIVER NEAR PALMER (LAT 61 30 21 LONG 149 01 53)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
MAR. 27...	1500	530	88	208	7.9	.0	1.8

LITTLE MEADOW CREEK AT BIG LAKE JUNCTION NEAR WASILLA (LAT 61 34 38 LONG 149 43 33)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
AUG. 06...	1330	8.8	260	50	20	3.4	2.1	.4	84	0	1.4	2.2

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
AUG. 06...	.1	.02	.02	.00	.38	.38	.40	.02	.00	97	80	64

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 06...	0	134	7.5	15.0	18	9.7	4.3	1.7	37	30	# 150	4.3

DATE	TOTAL BORON (B) (UG/L)
AUG. 06...	190

BIG LAKE SITE 6 NEAR WASILLA (LAT 61 32 10 LONG 149 57 15)

DATE	TIME	DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
AUG.						
05...	1500	.0	105	8.0	19.0	10.2
05...	1501	3.0	106	7.9	18.5	11.1
05...	1502	6.5	105	7.9	18.0	11.0
05...	1503	10	105	8.0	17.5	10.8
05...	1504	13	107	7.9	17.0	10.6
05...	1505	16	110	7.6	14.5	10.7
05...	1506	20	111	7.4	12.0	10.7
05...	1507	23	110	7.3	10.0	10.7
05...	1508	26	104	7.0	8.5	9.8
05...	1509	30	104	7.0	8.0	9.7
05...	1510	33	107	6.9	7.5	8.5
05...	1511	36	105	6.9	7.0	7.7
05...	1512	39	106	6.8	6.5	4.8

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

BIG LAKE SITE 4 NEAR WASILLA (LAT 61 31 24 LONG 149 55 05)

DATE	TIME	DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
AUG.						
05...	1200	.0	108	7.7	18.5	8.8
05...	1201	3.0	108	7.6	18.5	9.0
05...	1202	6.5	106	7.6	18.5	9.0
05...	1203	10	106	7.6	18.0	9.2
05...	1204	13	106	7.6	18.0	9.2
05...	1205	16	106	7.6	17.5	9.5
05...	1206	20	108	7.2	13.0	10.5
05...	1207	23	110	7.0	10.5	10.6
05...	1208	26	110	6.9	9.5	10.6
05...	1209	33	106	6.8	8.0	9.8
05...	1210	39	108	6.7	6.5	8.6
05...	1211	46	108	6.7	6.0	7.2
05...	1212	53	108	6.6	5.5	6.6
05...	1213	59	108	6.6	5.5	5.9
05...	1214	66	109	6.6	5.5	5.8
05...	1215	72	109	6.6	5.5	4.5

BIG LAKE SITE 3 NEAR WASILLA (LAT 61 32 25 LONG 149 52 50)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG.												
05...	1040	.0	--	--	--	--	--	--	--	--	--	--
05...	1045	1.0	4.8	20	0	16	2.7	2.1	.6	66	0	1.4
05...	1046	3.0	--	--	--	--	--	--	--	--	--	--
05...	1047	6.5	--	--	--	--	--	--	--	--	--	--
05...	1048	10	--	--	--	--	--	--	--	--	--	--
05...	1049	13	--	--	--	--	--	--	--	--	--	--
05...	1050	16	--	--	--	--	--	--	--	--	--	--
05...	1051	20	--	--	--	--	--	--	--	--	--	--
05...	1052	23	--	--	--	--	--	--	--	--	--	--
05...	1053	26	--	--	--	--	--	--	--	--	--	--
05...	1054	30	--	--	--	--	--	--	--	--	--	--
05...	1100	33	5.5	20	0	17	2.6	2.1	.7	70	0	1.2
05...	1102	36	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG.											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	.9	.1	.02	.02	.00	.17	.17	.19	.01	.00	68
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
05...	1.0	.0	.01	.01	--	--	--	--	.01	.00	67
05...	--	--	--	--	--	--	--	--	--	--	--

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BIG LAKE SITE 3 NEAR WASILLA (LAT 61 32 25 LONG 149 52 50)--Continued

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.											
05...	--	--	--	107	8.1	18.0	--	9.8	--	--	--
05...	61	51	0	107	8.0	18.0	5	9.8	1.1	.80	5.8
05...	--	--	--	107	8.0	18.0	--	9.7	--	--	--
05...	--	--	--	107	8.0	18.0	--	9.6	--	--	--
05...	--	--	--	107	7.9	18.0	--	9.6	--	--	--
05...	--	--	--	107	7.9	18.0	--	9.5	--	--	--
05...	--	--	--	107	7.6	17.5	--	9.7	--	--	--
05...	--	--	--	109	7.3	13.5	--	10.1	--	--	--
05...	--	--	--	112	7.2	11.5	--	10.2	--	--	--
05...	--	--	--	108	7.2	10.0	--	9.5	--	--	--
05...	--	--	--	113	7.2	8.5	--	8.4	--	--	--
05...	--	--	--	114	6.9	8.0	5	6.9	14	1.3	4.7
05...	65	53	0	115	6.9	7.0	--	5.0	--	--	--
05...	--	--	--								

DATE	DEPTH (FT)	TOTAL BORON (B) (UG/L)
AUG.		
05...	1.0	210
05...	33	130

BIG LAKE SITE 2 NEAR WASILLA (LAT 61 32 54 LONG 149 52 38)

DATE	TIME	DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
AUG.						
05...	1015	.0	109	7.9	18.0	9.8
05...	1016	3.0	109	7.8	18.0	9.3
05...	1017	6.5	109	7.7	18.0	9.4
05...	1018	10	109	7.9	18.0	9.4
05...	1019	13	109	7.8	18.0	9.4
05...	1020	16	114	7.5	17.0	9.2
05...	1021	20	117	7.3	12.5	9.1
05...	1022	23	112	7.1	11.5	9.3
05...	1023	26	111	7.0	9.0	8.6
05...	1024	30	120	6.9	6.5	8.4
05...	1025	33	123	6.6	6.0	2.0

BIG LAKE SITE 1 NEAR WASILLA (LAT 61 32 18 LONG 149 50 12)

DATE	TIME	DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
AUG.						
05...	0930	.0	107	7.9	18.5	9.6
05...	0931	3.0	107	8.0	18.5	9.6
05...	0932	6.5	107	7.9	18.5	9.6
05...	0933	10	107	7.9	18.5	9.7
05...	0934	13	107	7.9	18.5	9.5
05...	0935	16	107	7.9	18.5	9.6
05...	0936	[illegible]	108	7.9	17.5	9.7
05...	0937	23	108	7.7	16.0	10.2
05...	0938	26	108	7.1	14.0	10.4
05...	0939	30	107	7.2	10.5	11.0
05...	0940	33	107	7.3	10.0	9.4
05...	0941	39	107	7.0	8.5	7.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

FISH CREEK AT BIG LAKE OUTLET NEAR WASILLA (LAT 61 32 03 LONG 149 49 30)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
AUG. 06...	1200	4.2	30	10	16	2.2	1.9	.6	65	0	1.2	1.7

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
AUG. 06...	.1	.02	.01	.00	.30	.30	.32	.01	.00	69	60	49

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 06...	0	101	7.9	18.5	5	9.7	1.3	.70	# 112	#64	49	3.3

DATE	TOTAL BORON (B) (UG/L)
AUG. 06...	220

15291200 MACLAREN RIVER NEAR PAXSON (LAT 63 07 10 LONG 146 31 45)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JULY 25...	1130	2900	20000	90	7.5	6.5	90

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY 25...	10000	18	0	<10	40	40	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 25...	.1	1	<50	1	<10	90

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
JULY 25...	1130	6.5	90	2900	446	3490	11	16	23	32	43

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15291200 MACLAREN RIVER NEAR PAXSON (LAT 63 07 10 LONG 146 31 45)--Continued

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM
JULY 25...	57	71	90	99	100

15292700 TALKEETNA RIVER NEAR TALKEETNA (LAT 62 20 49 LONG 150 01 01)

Hydrologic Bench-mark Station

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JAN. 16...	1130	704	8.8	--	--	--	--	22	2.6	12	1.9	67
MAR. 12...	1230	506	8.3	--	--	--	--	24	3.0	14	1.7	58
APR. 11...	1230	532	8.0	--	--	--	--	24	2.5	15	2.0	54
MAY 19...	1700	5260	7.5	640	--	30	--	13	1.8	6.4	1.3	35
JUNE 19...	1400	13500	--	--	--	--	--	--	--	--	--	38
JULY 16...	1700	12900	5.2	17000	--	520	--	15	.6	3.5	.7	38
AUG. 19...	1430	9610	5.7	4300	30	140	0	13	1.2	3.8	.7	45

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
JAN. 16...	0	13	23	.0	.38	--	.01	--	115	116	66	11
MAR. 12...	0	14	27	.1	.40	--	.00	--	125	121	72	25
APR. 11...	0	13	28	.1	.37	--	.01	--	130	119	70	26
MAY 19...	0	6.6	11	.1	.74	--	.01	--	70	65	40	11
JUNE 19...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 16...	0	6.6	3.3	.1	.11	--	.33	--	51	54	40	9
AUG. 19...	0	6.2	3.4	.1	--	.11	.43	.01	52	57	37	1

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	CYANIDE (CN) (MG/L)
JAN. 16...	185	6.7	.0	--	--	--	--	21	21	<1	81	--
MAR. 12...	199	7.6	.0	--	--	--	11.6	2.3	85	81	<1	--
APR. 11...	190	7.7	.0	--	--	--	--	1.7	<1	<1	<1	--
MAY 19...	185	7.2	3.5	--	10	5	--	3.5	# 5	# 2	<1	.00
JUNE 19...	70	7.2	6.0	12.0	35	--	11.8	3.0	# 43	# 10	# 10	--
JULY 16...	88	7.5	10.5	--	150	--	10.6	1.9	# 31	# 20	# 33	.00
AUG. 19...	96	7.8	9.0	--	40	20	11.3	1.1	>80	# 11	38	.00

Non-Ideal Colony Count

15292700 TALKEETNA RIVER NEAR TALKEETNA (LAT 62 20 49 LONG 150 01 01)--Continued

Hydrologic Bench-mark Station

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 19...	0	0	<10	0	<10	<100	.0	0	10	30
JULY 16...	4	200	<10	20	100	<100	.1	0	<10	90
AUG. 19...	1	<100	<10	0	10	<100	.0	0	<10	30

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JAN. 16...	1130	.0	--	704	6	11	--	--
MAR. 12...	1230	.0	--	506	3	4.1	--	--
APR. 11...	1230	.0	--	532	7	10	--	--
MAY 19...	1700	3.5	10	5260	236	3350	--	--
JUNE 19...	1400	6.0	35	13500	406	14800	6	9
JULY 16...	1700	10.5	150	12900	955	33300	10	16
AUG. 19...	1430	9.0	40	9610	493	12800	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM	SUS. SED. FALL DIAM. % FINER THAN 2.00 MM
JAN. 16...	--	--	--	--	--	--	--	--	--
MAR. 12...	--	--	--	--	--	--	--	--	--
APR. 11...	--	--	--	--	--	--	--	--	--
MAY 19...	--	--	--	*13	*26	*54	*87	*98	*100
JUNE 19...	14	19	20	43	59	85	99	100	--
JULY 16...	21	31	42	*55	*70	*83	*90	*99	*100
AUG. 19...	--	--	--	47	56	75	93	100	--

* Sieve Analysis

15292780 SUSITNA RIVER AT SUNSHINE (LAT 62 10 35 LONG 150 10 18)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
MAR. 25...	--	9.2	10	0	29	4.5	11	2.1	86
APR. 11...	1130	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15292780 SUSITNA RIVER AT SUNSHINE (LAT 62 10 35 LONG 150 10 18)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAR. 25...	17	21	.2	--	.21	--	--	--	--
APR. 11...	--	--	--	.19	--	.05	.18	.23	.42

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM-COBALT UNITS)
MAR. 25...	--	.04	141	137	91	20	242	0
APR. 11...	.01	--	--	--	--	--	--	--

15294300 SKWENTNA RIVER NEAR SKWENTNA (LAT 61 52 23 LONG 151 22 01)

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JULY 07...	1530	12.0	220	23300	1400	88100	13	18
AUG. 06...	1200	7.5	150	14100	735	28000	15	23
SEP. 04...	1015	E8.0	30	7020	316	5990	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM	SUS. SED. FALL DIAM. % FINER THAN 2.00 MM
JULY 07...	26	33	42	*52	*64	*78	*91	*96	*99
AUG. 06...	32	43	54	63	71	87	99	100	--
SEP. 04...	--	--	--	31	36	53	98	100	--

* Sieve Analysis

PETERS CREEK NEAR PETERSVILLE (LAT 62 31 57 LONG 150 48 27)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
AUG. 07...	2030	66	5.8	500	40	20	10	5.9	2.2	1.6	.1	26

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

PETERS CREEK NEAR PETERSVILLE (LAT 62 31 57 LONG 150 48 29)--Continued

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
AUG. 07...	0	5.1	.1	.1	.02	.02	.00	.16	.16	.18	.00	.02

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
AUG. 07...	36	34	24	2	52	7.7	11.0	2	4	9.9	.8	.9

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 07...	330	1	100	<10	0	<10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 07...	.0	0	<50	0	10	.0

DATE	DISSOLVED URANIUM (U) (UG/L)
AUG. 07...	<.01

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 07...	2030	11.0	2	66	13	2.3

PETERS CREEK ABOVE MARTIN CREEK AT PETERS CREEK (LAT 62 23 00 LONG 150 43 53)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
AUG.												
07...	1630	113	6.8	440	120	50	50	5.8	2.0	1.8	.2	25
29...	1100	--	--	--	--	--	--	--	--	--	--	32
24...	1200	--	--	--	--	--	--	--	--	--	--	31
29...	1230	--	--	--	--	--	--	--	--	--	--	29
29...	1400	--	--	--	--	--	--	--	--	--	--	28
29...	1500	--	--	--	--	--	--	--	--	--	--	31
29...	1600	--	--	--	--	--	--	--	--	--	--	31
29...	1700	--	--	--	--	--	--	--	--	--	--	34
29...	1800	--	--	--	--	--	--	--	--	--	--	31
29...	2000	--	--	--	--	--	--	--	--	--	--	29
29...	2010	--	--	--	--	--	--	--	--	--	--	30
29...	2100	--	--	--	--	--	--	--	--	--	--	30
30...	0200	--	--	--	--	--	--	--	--	--	--	28
30...	0500	--	--	--	--	--	--	--	--	--	--	31
30...	0700	--	--	--	--	--	--	--	--	--	--	31
30...	0800	--	--	--	--	--	--	--	--	--	--	32
30...	0900	--	--	--	--	--	--	--	--	--	--	32

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
AUG.												
07...	0	4.0	.1	.1	.02	.02	.00	.16	.16	.18	.00	.00
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
AUG.												
07...	34	33	23	2	51	7.1	14.5	1	15	9.3	3.2	1.0
29...	--	--	--	--	55	7.4	8.0	--	--	10.0	2.0	--
29...	--	--	--	--	55	7.3	9.0	--	--	10.6	2.5	--
29...	--	--	--	--	55	7.3	10.0	--	--	10.0	2.3	--
29...	--	--	--	--	55	7.0	10.0	--	--	11.0	4.5	--
29...	--	--	--	--	60	7.6	11.0	--	--	10.4	1.2	--
29...	--	--	--	--	60	7.6	12.0	--	--	10.4	1.2	--
29...	--	--	--	--	55	7.2	12.0	--	--	10.4	3.4	--
29...	--	--	--	--	55	7.4	12.0	--	--	10.6	2.0	--
29...	--	--	--	--	60	7.6	11.5	--	--	9.4	1.2	--
29...	--	--	--	--	55	7.5	11.5	--	--	9.4	1.5	--
29...	--	--	--	--	55	7.6	11.5	--	--	9.4	1.2	--
30...	--	--	--	--	55	7.6	9.5	--	--	10.0	1.1	--
30...	--	--	--	--	60	7.4	7.5	--	--	11.0	2.0	--
30...	--	--	--	--	55	7.3	7.5	--	--	10.9	2.5	--
30...	--	--	--	--	55	7.2	7.5	--	--	10.4	3.2	--
30...	--	--	--	--	60	7.4	8.0	--	--	10.2	2.0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALAKSA--Continued

PETERS CREEK ABOVE MARTIN CREEK AT PETERS CREEK (LAT 62 23 00 LONG 150 43 53)--Continued

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 07...	200	0	<200	<10	0	<10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 07...	.0	0	<50	0	<10	0

DATE	DIS-SOLVED URANIUM (U) (UG/L)
AUG. 07...	<.01

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
AUG. 07...	1630	14.5	1	113	4	1.2

CAPPS CREEK NEAR TYONEK (LAT 61 19 46 LONG 151 37 26)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
AUG. 14...	1600	49	11	10000	520	230	40	4.7	.7	1.8	.5	19

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
AUG. 14...	0	1.7	.0	.0	.07	.06	.00	.10	.10	.17	.10	.00

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
AUG. 14...	33	31	15	0	7.1	13.5	60	45	9.9	2.4	2.6

DATE	ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	CAD-MIUM (CD) (UG/L)	CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 14...	6000	4	<100	<10	20	20	<100

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

CAPPS CREEK NEAR TYONEK (LAT 61 19 46 LONG 151 37 26)--Continued

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	.1	1	<50	0	<10	70

DATE	DIS-SOLVED URANIUM (U) (UG/L)
AUG. 14...	<.01

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
AUG. 14...	1600	13.5	60	49	417	55

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
AUG. 14...	46

BISHOP CREEK NEAR TYONEK (LAT 61 18 23 LONG 151 30 27)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
AUG. 14...	1700	59	9.7	870	300	30	0	3.4	.6	2.1	.3	11

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
AUG. 14...	0	1.4	.3	.1	.05	.05	.00	.21	.21	.26	.02	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
AUG. 14...	31	24	11	2	7.1	14.0	2	25	9.6	1.4	4.6

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 14...	200	0	<100	<10	0	10	<100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

BISHOP CREEK NEAR TYONEK (LAT 61 18 23 LONG 151 30 27)--Continued

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	.1	1	<50	0	<10	20

DATE	DIS-SOLVED URANIUM (U) (UG/L)
AUG. 14...	<.01

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
AUG. 14...	1700	14.0	2	59	9	1.4

CHUITNA RIVER BELOW WOLVERINE FORK NEAR TYONEK (LAT 61 11 52 LONG 151 39 20)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
AUG. 14...	1500	60	12	350	210	10	0	3.1	.5	1.5	.2	13

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
AUG. 14...	0	2.0	.0	.2	.02	.02	.00	.06	.06	.08	.02	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
AUG. 14...	25	26	10	0	7.4	12.5	1	10	9.6	.0	3.2

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 14...	110	2	<100	<10	10	10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	.0	0	<50	0	<10	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

CHUITNA RIVER BELOW WOLVERINE FORK NEAR TYONEK (LAT 61 11 52 LONG 151 39 20)--Continued

DATE	DISSOLVED URANIUM (U) (UG/L)
AUG. 14...	<.01

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 14...	1500	12.5	1	68	4	.73

CHUIT CREEK 5.4 MILES ABOVE MOUTH NEAR TYONEK (LAT 61 12 44 LONG 151 33 54)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	[illegible]-SOLVED SODIUM (NA) (MG/L)	DISSOLVEC POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
AUG. 14...	1330	55	10	540	150	20	0	3.3	.6	1.8	.2	11

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
AUG. 14...	0	2.2	.1	.1	.04	.04	.00	.12	.12	.16	.02	.01

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
AUG. 14...	26	24	11	2	7.1	12.5	1	20	9.7	1.4	3.6

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 14...	110	0	<100	<10	0	10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	.1	0	<50	0	<10	10

DATE	DISSOLVED URANIUM (U) (UG/L)
AUG. 14...	<.01

CHUIT CREEK 5.4 MILES ABOVE MOUTH NEAR TYONEK (LAT 61 12 44 LONG 151 33 54)--Continued

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 14...	1330	12.5	1	55	3	.45

CHUIT CREEK 1.6 MILES ABOVE MOUTH NEAR TYONEK (LAT 61 10 19 LONG 151 31 12)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
AUG. 14...	1200	75	10	920	130	30	0	4.4	.5	2.1	.2	19

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
AUG. 14...	0	1.9	.1	.1	.02	.04	.00	.21	.21	.23	.02	.00

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
AUG. 14...	30	29	13	0	29	7.4	12.0	2	20	10.1	1.2	3.2

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 14...	210	0	<100	<10	0	10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	.0	1	<50	0	<10	20

DATE	DISSOLVED URANIUM (U) (UG/L)
AUG. 14...	<.01

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 14...	1200	12.0	2	75	10	2.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15294450 CHUITNA RIVER NEAR TYONEK (LAT 61 06 31 LONG 151 15 07)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
AUG. 14...	0930	307	14	2400	170	130	10	5.2	1.2	2.7	.5	24

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NIYRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
AUG. 14...	0	2.0	.5	.1	.02	.02	.00	.28	.28	.30	.01	.01

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
AUG. 14...	40	38	18	0	7.5	11.5	7	20	10.1	1.2	4.0

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
AUG. 14...	600	0	<100	<10	10	10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 14...	.0	0	<50	0	<10	20

DATE	DISSOLVED URANIUM (U) (UG/L)
AUG. 14...	.03

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 14...	0930	11.5	7	307	44	46

O'MALLEY RIVER BELOW LAKE NEAR LARSEN BAY (LAT 57 16 27 LONG 153 59 06)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
MAR. 06...	1400	4.2	0	0	8.9	.9	3.1	.6	26	0	4.5	6.3
JUNE 04...	1640	4.7	10	0	8.0	1.2	3.1	.2	31	0	3.0	4.3

O'MALLEY RIVER BELOW LAKE NEAR LARSEN BAY (LAT 57 16 27 LONG 153 59 06)--Continued

DATE	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
MAR. 06...	.0	.20	.18	.02	.04	.06	.26	.01	.00	45	42
JUNE 04...	.0	.14	.14	.01	.95	.96	1.1	.09	.01	42	40

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR. 06...	26	5	70	6.9	2.0	1	5	14.0	5.2	--	--
JUNE 04...	25	0	72	6.9	5.0	1	0	12.4	6.2	1.0	4.7

THUMB RIVER BELOW THUMB LAKE NEAR LARSEN BAY (LAT 57 21 14 LONG 153 59 28)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT. 09...	1600	105	1.0	5.9	20	0	8.6	1.7	3.1	.4
MAR. 06...	1500	--	.5	5.7	10	0	9.5	1.7	3.7	.5
JUNE 04...	1740	--	.0	5.3	30	0	7.7	1.0	3.3	.3

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT. 09...	33	--	4.0	3.6	.0	.12	.08	.13	.05	.18
MAR. 06...	33	0	4.5	6.5	.0	.25	.24	.00	.10	.10
JUNE 04...	29	0	2.3	5.1	.0	.12	.12	.01	.17	.18

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 09...	.30	.00	.00	50	44	28	1	68	7.1
MAR. 06...	.35	.00	.00	55	49	31	4	80	7.1
JUNE 04...	.30	.01	.01	38	40	23	0	70	7.2

DATE	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL SESTON (MG/L)	SESTON ASH WEIGHT (MG/L)	CHLOROPHYLL A (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 09...	6.5	2	0	12.1	4.2	.6	.2	2.50	3.5
MAR. 06...	1.0	1	3	14.5	4.2	--	--	--	--
JUNE 04...	5.0	1	1	12.4	2.9	--	--	--	1.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

THUMB RIVER BELOW THUMB LAKE NEAR LARSEN BAY (LAT 57 21 14 LONG 153 59 28)--Continued

DATE	DIS-SOLVED COPPER (CU) (UG/L)
OCT. 09...	3

LAGOON SPRING NEAR LARSEN BAY (LAT 57 22 14 LONG 154 00 44)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
AUG. 21...	1130	E.25	8.1	20	0	20	2.0	3.8	.2	67	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
AUG. 21...	7.1	3.5	.0	.32	.19	.00	.04	.04	.36	.05	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 21...	77	79	58	3	139	7.5	3.5	15	13.5	3.4	5.8

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 21...	30	2	<50	<10	1	20

SPRING CREEK NEAR LARSEN BAY (LAT 57 26 36 LONG 154 05 45)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG. 21...	0930	9.5	30	10	5.9	2.6	6.7	.3	29	0	2.5

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
AUG. 21...	10	.1	.08	.08	.00	.08	.08	.16	.12	.02	59

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 21...	52	25	2	87	6.9	3.5	15	12.5	5.8	3

E Estimate

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

SPRING CREEK NEAR LARSEN BAY (LAT 57 26 36 LONG 154 05 45)--Continued

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG.						
21...	10	20	<50	<10	1	10

KARLUK LAKE NEAR LARSEN BAY (LAT 57 21 11 LONG 154 02 07)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
MAR.												
06...	1100	3.0	.7	10	0	8.2	1.4	3.7	1.0	25	0	3.6
06...	1105	6.5	--	--	--	--	--	--	--	--	--	--
06...	1110	13	--	--	--	--	--	--	--	--	--	--
06...	1115	20	--	--	--	--	--	--	--	--	--	--
06...	1120	33	--	--	--	--	--	--	--	--	--	--
06...	1125	66	--	--	--	--	--	--	--	--	--	--
06...	1130	98	--	--	--	--	--	--	--	--	--	--
06...	1135	131	--	--	--	--	--	--	--	--	--	--
06...	1140	177	--	--	--	--	--	--	--	--	--	--
06...	1145	197	--	--	--	--	--	--	--	--	--	--
06...	1150	230	--	--	--	--	--	--	--	--	--	--
06...	1155	262	--	--	--	--	--	--	--	--	--	--
06...	1160	295	--	--	--	--	--	--	--	--	--	--
06...	1165	328	--	--	--	--	--	--	--	--	--	--
JUNE												
03...	1330	1.0	.7	0	10	8.1	.8	4.3	.2	32	0	2.7
03...	1335	33	--	--	--	--	--	--	--	--	--	--
03...	1340	66	--	--	--	--	--	--	--	--	--	--
03...	1345	131	--	--	--	--	--	--	--	--	--	--
03...	1350	164	--	--	--	--	--	--	--	--	--	--
03...	1355	197	--	--	--	--	--	--	--	--	--	--
03...	1400	230	--	--	--	--	--	--	--	--	--	--
03...	1410	262	--	--	--	--	--	--	--	--	--	--
03...	1420	295	--	--	--	--	--	--	--	--	--	--
AUG.												
21...	1355	1.0	--	--	--	--	--	--	--	--	--	--
21...	1400	6.5	--	--	--	--	--	--	--	--	--	--
21...	1410	13	--	--	--	--	--	--	--	--	--	--
21...	1420	20	--	--	--	--	--	--	--	--	--	--
21...	1425	26	--	--	--	--	--	--	--	--	--	--
21...	1430	32	--	--	--	--	--	--	--	--	--	--
21...	1435	39	--	--	--	--	--	--	--	--	--	--
21...	1440	46	--	--	--	--	--	--	--	--	--	--
21...	1445	52	--	--	--	--	--	--	--	--	--	--
21...	1450	58	--	--	--	--	--	--	--	--	--	--
21...	1455	65	--	--	--	--	--	--	--	--	--	--
21...	1500	72	--	--	--	--	--	--	--	--	--	--
21...	1505	81	--	--	--	--	--	--	--	--	--	--
21...	1510	88	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
MAR.												
06...	7.3	.0	.07	.07	.03	.12	.15	.22	.01	.00	46	39
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--

KARLUK LAKE NEAR LARSEN BAY (LAT 57 21 11 LONG 154 02 07)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
JUNE												
03...	5.7	.0	.05	.05	.00	.08	.08	.13	.00	.01	31	39
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	.02	--	.01	.15	.16	.18	.01	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	.01	--	.02	.10	.12	.13	.01	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	.03	--	.02	.12	.14	.17	.01	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR.											
06...	26	6	6[illegible]	7.4	.5	1	3	14.8	1.6	--	--
06...	--	--	60	--	.5	--	--	14.8	--	--	--
06...	--	--	60	--	1.0	--	--	14.8	--	--	--
06...	--	--	60	--	1.0	--	--	14.8	--	--	--
06...	--	--	60	--	1.0	--	--	14.8	--	--	--
06...	--	--	67	--	1.0	--	--	13.1	--	--	--
06...	--	--	68	--	1.0	--	--	13.5	--	--	--
06...	--	--	68	--	1.5	--	--	13.1	--	--	--
06...	--	--	68	--	2.5	--	--	12.9	--	--	--
06...	--	--	67	--	2.5	--	--	12.8	--	--	--
06...	--	--	67	--	2.5	--	--	12.9	--	--	--
06...	--	--	67	--	3.0	--	--	12.7	--	--	--
06...	--	--	67	--	3.0	--	--	12.5	--	--	--
06...	--	--	67	--	3.0	--	--	12.5	--	--	--
JUNE											
03...	24	0	67	7.4	4.0	1	8	13.1	2.0	1.0	1.7
03...	--	--	67	7.4	4.0	--	--	13.1	--	--	--
03...	--	--	67	7.4	4.0	--	--	13.1	--	--	--
03...	--	--	67	7.4	4.0	--	--	13.0	--	--	--
03...	--	--	67	7.3	4.0	--	--	13.0	--	--	--
03...	--	--	67	7.3	4.0	--	--	12.8	--	--	--
03...	--	--	67	7.3	4.0	--	--	12.8	--	--	--
03...	--	--	67	7.3	4.0	--	--	12.8	--	--	--
03...	--	--	67	7.3	4.0	--	--	12.8	--	--	--
AUG.											
21...	--	--	70	8.1	16.0	--	--	11.2	--	--	--
21...	--	--	72	7.9	13.5	--	--	11.0	--	.60	--
21...	--	--	73	7.9	13.5	--	--	11.4	--	--	--
21...	--	--	73	7.9	13.0	--	--	11.4	--	.30	--
21...	--	--	72	8.1	13.0	--	--	11.6	--	--	--
21...	--	--	70	8.0	12.5	--	--	11.9	--	--	--
21...	--	--	70	7.9	10.5	--	--	12.2	--	--	--
21...	--	--	69	7.7	9.5	--	--	12.6	--	.60	--
21...	--	--	68	7.7	8.0	--	--	12.6	--	--	--
21...	--	--	69	7.6	7.5	--	--	12.7	--	--	--
21...	--	--	69	7.6	7.0	--	--	12.9	--	--	--
21...	--	--	69	7.6	7.0	--	--	12.8	--	--	--
21...	--	--	68	7.6	6.5	--	--	12.8	--	--	--
21...	--	--	68	7.5	6.5	--	--	12.7	--	--	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

15296600 KARLUK RIVER AT OUTLET NEAR LARSEN BAY (LAT 57 26 37 LONG 154 06 41)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT. 09...	1630	E350	1.0	.5	20	0	7.9	1.5	3.5	.4
JUNE 04...	1830	765	.0	.7	10	0	8.3	1.3	4.0	.3
AUG. 21...	1100	264	--	.9	10	0	7.6	1.4	3.9	.2

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT. 09...	30	0	3.7	4.9	.0	.03	.04	.03	.12	.15
JUNE 04...	30	0	2.9	5.7	.0	.05	.05	.01	.13	.14
AUG. 21...	29	0	3.0	4.8	.0	.02	.02	.01	.15	.16

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT. 09...	.18	.00	.00	35	37	26	1	66	7.1	9.5
JUNE 04...	.19	.01	.00	29	38	26	1	70	7.3	5.0
AUG. 21...	.18	.04	.00	40	36	25	1	71	8.5	13.0

DATE	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL SESTON (MG/L)	SESTON ASH WEIGHT (MG/L)	CHLOROPHYLL A (UG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 09...	1	3	11.6	3.8	.2	.0	.700	--	3.0
JUNE 04...	1	0	13.0	2.4	--	--	--	--	1.0
AUG. 21...	--	10	12.2	.1	--	--	--	.40	--

DATE	DISSOLVED COPPER (CU) (UG/L)
OCT. 09...	1

FALLS CREEK AT AKALURA LAKE NEAR LARSEN BAY (LAT 57 12 03 LONG 154 14 05)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
JULY 17...	1600	E2.0	.0	20	0	6.7	2.7	5.6	.2	28	0	3.0

E Estimate

FALLS CREEK AT AKALURA LAKE NEAR LARSEN BAY (LAT 57 12 03 LONG 154 14 05)--Continued

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
JULY 17...	7.4	.0	.05	.07	.00	.12	.12	.17	.02	.04	53

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 17...	40	28	5	72	7.6	8.5	5	10.1	1.1	2.0	1.0

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 17...	40	20	<50	<10	0	10

CROOKED CREEK AT AKALURA LAKE NEAR LARSEN BAY (LAT 57 11 25 LONG 154 10 43)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
JULY 17...	1530	E10	.0	70	0	7.6	1.1	4.6	.3	23	0	3.3
AUG. 22...	1115	--	7.3	50	10	8.4	.5	4.8	.3	29	0	3.0

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
JULY 17...	5.7	.0	.06	.06	.04	.21	.25	.31	.02	.03	43
AUG. 22...	5.8	.0	.05	.05	.00	.12	.12	.17	.11	.00	48

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 17...	34	24	5	63	7.4	9.5	10	10.1	1.5	.30	2.1
AUG. 22...	45	23	0	73	7.2	9.0	17	12.0	2.9	.80	6.8

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 17...	80	30	<50	<10	0	30

E Estimate

EAGLE CREEK AT AKALURA LAKE NEAR LARSEN BAY (LAT 57 10 47 LONG 154 14 55)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
JULY 17...	1700	E15	.0	80	0	4.9	1.0	6.0	.2	16	0	2.9
AUG. 22...	1530	--	9.0	80	0	4.5	1.4	5.6	.3	18	0	1.9

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
JULY 17...	8.9	.0	.05	--	.03	.18	.21	.26	.02	.05	62
AUG. 22...	8.4	.0	.05	.05	.00	.16	.16	.21	.04	.00	49

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENTIAL (MG DRY WT ALGAE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 17...	32	16	3	61	7.6	8.0	10	10.2	.6	2.4	1.3
AUG. 22...	40	17	2	67	7.2	9.5	35	11.7	1.8	1.9	2.2

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 17...	50	30	<50	10	0	10

E Estimate

AKALURA LAKE NEAR LARSEN BAY (LAT 57 11 14 LONG 154 12 40)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
JULY												
17...	1430	1.0	--	--	--	--	--	--	--	--	--	--
17...	1432	3.0	--	--	--	--	--	--	--	--	--	--
17...	1434	7.0	--	--	--	--	--	--	--	--	--	--
17...	1436	13	--	--	--	--	--	--	--	--	--	--
17...	1438	20	--	--	--	--	--	--	--	--	--	--
17...	1440	26	--	--	--	--	--	--	--	--	--	--
17...	1442	33	--	--	--	--	--	--	--	--	--	--
17...	1444	39	--	--	--	--	--	--	--	--	--	--
17...	1446	46	--	--	--	--	--	--	--	--	--	--
17...	1448	52	--	--	--	--	--	--	--	--	--	--
17...	1450	59	--	--	--	--	--	--	--	--	--	--
AUG.												
22...	1245	1.0	2.4	10	0	4.7	1.2	5.5	.3	19	0	2.3
22...	1250	7.0	--	--	--	--	--	--	--	--	--	--
22...	1255	10	--	--	--	--	--	--	--	--	--	--
22...	1300	13	--	--	--	--	--	--	--	--	--	--
22...	1303	16	--	--	--	--	--	--	--	--	--	--
22...	1305	20	--	--	--	--	--	--	--	--	--	--
22...	1308	23	--	--	--	--	--	--	--	--	--	--
22...	1310	26	--	--	--	--	--	--	--	--	--	--
22...	1315	30	--	--	--	--	--	--	--	--	--	--
22...	1320	33	--	--	--	--	--	--	--	--	--	--
22...	1325	36	--	--	--	--	--	--	--	--	--	--
22...	1330	39	--	--	--	--	--	--	--	--	--	--
22...	1335	43	--	--	--	--	--	--	--	--	--	--
22...	1340	45	3.2	30	10	4.8	.9	5.6	.4	19	0	3.0
22...	1345	49	--	--	--	--	--	--	--	--	--	--
22...	1350	52	--	--	--	--	--	--	--	--	--	--
22...	1355	56	--	--	--	--	--	--	--	--	--	--
22...	1400	59	--	--	--	--	--	--	--	--	--	--
22...	1405	62	--	--	--	--	--	--	--	--	--	--
22...	1410	66	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
JULY											
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
22...	8.1	.0	.01	.00	.00	.14	.14	.15	.07	.00	36
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	8.0	.0	.05	.03	.03	.22	.25	.30	.15	.00	37
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

AKALURA LAKE NEAR LARSEN BAY (LAT 57 11 14 LONG 154 12 40)--Continued

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY											
17...	--	--	--	63	7.4	15.0	--	10.6	--	--	--
17...	--	--	--	63	7.4	15.0	--	10.8	--	--	--
17...	--	--	--	63	7.4	15.0	--	10.8	--	--	--
17...	--	--	--	63	7.2	15.0	--	11.0	--	--	--
17...	--	--	--	63	6.8	14.0	--	11.2	--	--	--
17...	--	--	--	62	6.7	13.0	--	11.5	--	--	--
17...	--	--	--	62	6.8	12.0	--	11.3	--	--	--
17...	--	--	--	62	6.7	11.0	--	10.6	--	--	--
17...	--	--	--	62	6.7	10.0	--	9.8	--	--	--
17...	--	--	--	63	6.6	9.5	--	8.8	--	--	--
17...	--	--	--	64	6.5	9.0	--	8.0	--	--	--
AUG.											
22...	34	17	1	67	7.8	15.0	10	10.9	.5	.40	1.3
22...	--	--	--	67	7.6	15.0	--	10.9	--	--	--
22...	--	--	--	67	7.7	15.0	--	10.9	--	--	--
22...	--	--	--	67	7.7	15.0	--	10.9	--	--	--
22...	--	--	--	67	7.5	15.0	--	10.8	--	--	--
22...	--	--	--	67	7.4	15.0	--	11.0	--	--	--
22...	--	--	--	67	7.3	15.0	--	10.5	--	--	--
22...	--	--	--	67	7.3	15.0	--	10.7	--	--	--
22...	--	--	--	67	7.5	14.5	--	10.5	--	--	--
22...	--	--	--	67	7.5	14.5	--	9.9	--	--	--
22...	--	--	--	67	7.2	14.0	--	9.5	--	--	--
22...	--	--	--	67	7.1	13.5	--	8.9	--	--	--
22...	--	--	--	67	7.0	13.0	--	7.9	--	--	--
22...	35	16	0	67	6.7	10.5	10	5.2	6.1	.90	1.9
22...	--	--	--	67	6.7	10.0	--	3.6	--	--	--
22...	--	--	--	67	6.6	10.0	--	2.8	--	--	--
22...	--	--	--	67	6.9	10.0	--	1.6	--	--	--
22...	--	--	--	67	6.6	9.5	--	.9	--	--	--
22...	--	--	--	67	6.5	9.5	--	.1	--	--	--
22...	--	--	--	67	6.4	9.5	--	.1	--	--	--

15296950 AKALURA CREEK AT OLGA BAY (LAT 57 10 00 LONG 154 13 35)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.										
09...	1300	E30	1.0	3.2	110	0	5.1	1.1	5.4	.6
JULY										
17...	1230	E30	--	.0	10	0	6.1	1.5	5.8	.4
AUG.										
22...	1645	34	--	2.5	20	0	4.6	1.0	5.6	.3

DATE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
OCT.										
09...	22	0	3.7	8.4	.1	.02	.02	.06	.13	.19
JULY										
17...	19	0	2.3	9.5	.0	.00	.02	.03	.18	.21
AUG.										
22...	20	0	2.1	8.3	.0	.01	.01	.00	.12	.12

E Estimate

15296950 AKALURA CREEK AT OLGA BAY (LAT 57 10 00 LONG 154 13 35)--Continued

DATE	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
OCT. 09...	.21	.01	.01	44	39	17	0	60	7.3	9.5
JULY 17...	.21	.02	.02	36	35	21	6	59	7.4	15.0
AUG. 22...	.13	.04	.00	40	34	16	0	66	7.9	15.0

DATE	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL SESTON (MG/L)	SESTON ASH WEIGHT (MG/L)	CHLORO-PHYLL A (UG/L)	ALGAL GROWTH POTENT-IAL (MG DRY WT ALG-AE/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 09...	1	3	10.9	1.0	1.2	.3	5.10	--	4.7
JULY 17...	--	5	9.8	1.2	--	--	--	.50	1.6
AUG. 22...	--	10	11.0	.4	--	--	--	--	2.1

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 09...	--	--	--	--	12	--	--
JULY 17...	20	30	<50	<10	--	0	10

BULL LAKE NEAR KODIAK (LAT 57 26 17 LONG 152 27 17)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 20...	1100	.0	1.0	140	0	2.6	1.0	5.3	.6	9

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 20...	1.0	8.0	.0	.00	.00	.01	.27	.28	.28

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 20...	.01	.00	22	24	11	3	7.0	4	5.2

DATE	TOTAL BORON (B) (UG/L)
MAY 20...	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

DRAGON FLY LAKE NEAR KODIAK (LAT 57 42 23 LONG 152 29 57)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 28...	1330	.0	4.6	150	20	2.6	.0	4.6	.4	11

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 28...	1.3	6.8	.0	.05	.04	.01	.21	.22	.27

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 28...	.00	.00	24	26	7	0	7.0	7	4.8

DATE	TOTAL BORON (B) (UG/L)
MAY 28...	60

LAKE LEE NEAR KODIAK (LAT 57 42 45 LONG 152 36 00)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 28...	1500	2.7	50	110	2.7	.1	2.8	.2	13

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 28...	1.0	3.8	.0	.02	.02	.01	.07	.08	.10

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 28...	.01	.00	14	20	7	0	4.0	4	1.8

DATE	TOTAL BORON (B) (UG/L)
MAY 28...	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO OCTOBER 1975

SOUTH-CENTRAL ALASKA--Continued

CATHERINE (MARGARET) LAKE NEAR KODIAK (LAT 57 46 00 LONG 152 29 52)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 29...	0815	.0	5.1	80	70	4.6	1.2	4.9	.6	12

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 29...	2.2	7.6	.0	.23	.23	.01	.19	.20	.43

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	.00	.00	34	33	16	7	6.0	4	1.8

DATE	TOTAL BORON (B) (UG/L)
MAY 29...	60

GENEVIEVE LAKE NEAR KODIAK (LAT 57 46 00 LONG 152 29 00)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 29...	0730	.0	5.3	130	410	8.6	1.3	7.3	.5	21

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 29...	2.8	12	.0	.06	.06	.01	.00	.01	.07

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	.01	.00	43	49	27	10	6.0	8	1.5

DATE	TOTAL BORON (B) (UG/L)
MAY 29...	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

AMBECROMBIE LAKE NEAR KODIAK (LAT 57 50 00 LONG 152 21 10)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAY 29...	0620	3.0	7.0	190	200	8.2	3.7	26	1.4	33

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
MAY 29...	6.6	45	.1	.03	.03	.01	.20	.21	.24

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	.01	.01	123	115	36	9	4.0	15	7.4

DATE	TOTAL BORON (B) (UG/L)
MAY 29...	50

15297470 MONASHKA CREEK NEAR KODIAK (LAT 57 50 34 LONG 152 26 44)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CARBON DIOXIDE (CO2) (MG/L)
MAY 30...	1800	74	20	57	6.5	4.5	--	10
JULY 24...	1500	151	14	34	6.7	7.5	1	4.5

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
JULY 24...	1500	7.5	1	151	3	1.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHWESTERN ALASKA

15304000 KUSKOKWIM RIVER AT CROOKED CREEK (LAT 61 52 10 LONG 158 06 42)

National Stream-quality Accounting and Radiochemical Networks

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
APR. 04...	1200	8920	--	680	--	0	--	--	36	8.4	--	--
JUNE 12...	1800	93000	6.3	4300	310	120	80	40	16	2.7	3.1	.7
JULY 09...	1330	54000	8.8	--	--	--	--	--	24	5.6	1.9	.9
AUG. 13...	1545	54100	7.4	4500	20	130	120	10	26	6.1	2.0	.9
SEP. 25...	1400	96600	7.9	--	--	--	--	--	19	4.7	1.8	.6

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
APR. 04...	139	0	--	.6	--	.18	.19	.37	.00	--	--	120
JUNE 12...	68	0	7.6	.6	.1	.05	.30	.35	.08	74	71	51
JULY 09...	82	0	17	.5	.2	.10	.38	.48	--	96	99	83
AUG. 13...	93	0	21	.8	.2	.08	.86	.94	.00	117	110	90
SEP. 25...	66	0	11	.8	.1	.12	.24	.36	.08	92	78	67

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 04...	6	253	7.2	.0	2	--	14	--	--	--	3.0
JUNE 12...	0	135	7.5	12.0	25	--	3.4	# 11	# 4	# 3	6.8
JULY 09...	16	169	8.2	16.0	80	--	.8	--	# 12	# 30	--
AUG. 13...	14	190	8.0	15.0	40	10.0	1.5	--	>1	# 12	3.9
SEP. 25...	13	132	7.8	6.5	15	9.9	1.7	--	# 19	# 8	--

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Apr 4	1200	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Pennales			
		Achnanthaceae			
		Achnanthes	7	25	
		Cymbellaceae			
		Cymbella	7	25	
		Fragilariaceae			
		Synedra	7	25	
		Naviculaceae			
		Navicula	7	25	
		TOTAL	27		

Non-Ideal Colony Count

15304000 KUSKOKWIM RIVER AT CROOKED CREEK (LAT 61 52 10 LONG 158 06 42)--Continued

National Stream-quality Accounting and Radiochemical Networks
QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Jun 12	1800	CHLOROPHYTA			Sediment Sampler
		Chlorophyceae			
		Chlorococcales			
		Scenedesmaceae			
		Scenedesmus	150	15	
		CHRYSOPHYTA			
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Melosira	530	52	
		Pennales			
		Cymbellaceae			
		Cymbella	38	4	
		Diatomaceae			
		Diatoma	38	4	
		Fragilariaceae			
		Hannaea	150	15	
		Synedra	76	7	
		Gomphonemataceae			
		Gomphonema	38	4	
		TOTAL	1,000		

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Jul 9	1330	CHLOROPHYTA			Sediment Sampler
		Chlorophyceae			
		Chlorococcales			
		Occystaceae			
		Ankistrodesmus	28	5	
		Scenedesmaceae			
		Crucigenia	110	19	
		CHRYSOPHYTA			
		Bacillariophyceae			
		Pennales			
		Achnanthaceae			
		Achnanthes	28	5	
		Cocconeis	28	5	
		Cymbellaceae			
		Cymbella	85	14	
		Diatomaceae			
		Diatoma	57	10	
		Fragilariaceae			
		Hannaea	28	5	
		Naviculaceae			
		Caloneis	28	5	
		Navicula	57	10	
		Nitzschiaceae			
		Nitzschia	110	19	
		Chrysophycea			
		Chrysomonadales			
		Ochromonadaceae			
		Dinobryon	28	5	
		TOTAL	590		

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHWESTERN ALASKA

15304000 KUSKOKWIM RIVER AT CROOKED CREEK (LAT 61 52 10 LONG 158 06 48)--Continued

National Stream-quality Accounting and Radiochemical Networks
QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Aug 13	1545	CHLOROPHYTA			Sediment Sampler
		Chlorophyceae			
		Zygnematales			
		Desmidiaceae			
		Closterium		0	
		CHRYSOPHYTA			
		Bacillariophyceae			
		Pennales			
		Cymbellaceae			
		Cymbella	25	12	
		Fragilariaceae			
		Hannaea		0	
		Synedra	50	25	
		Gomphonemataceae			
		Gomphonema	50	25	
		Naviculaceae			
		Navicula	25	12	
		Pinnularia		0	
		Nitzschiaceae			
		Nitzschia	50	25	
		TOTAL	200		

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Sep 25	1400	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Melosira	59	16	
		Pennales			
		Cymbellaceae			
		Amphora	25	7	
		Epithemia		0	
		Diatomaceae			
		Diatoma	84	23	
		Fragilariaceae			
		Hannaea	17	5	
		Synedra	50	14	
		Gomphonemataceae			
		Gomphonema	8	2	
		Meridionaceae			
		Meridion	25	7	
		Naviculaceae			
		Gyrosigma	8	2	
		Navicula	25	7	
		Nitzschiaceae			
		Nitzschia	25	7	
		RHODOPHYTA			
		Rhodophyceae			
		Nemalionales			
		Chantransicaceae			
		Audouinella	42	11	
		TOTAL	370		

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
APR. 04...	1	--	--	<10	--	--	0	--	--
JUNE 12...	5	4	1	<10	<10	0	0	0	0
AUG. 13...	2	2	0	<10	<10	0	10	10	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHWESTERN ALASKA

15304000 KUSKOKWIM RIVER AT CROOKED CREEK (LAT 61 52 10 LONG 158 06 42)--Continued
National Stream-quality Accounting and Radiochemical Networks

DATE	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
APR. 04...	<50	--	--	45	--	--	<100	--	--
JUNE 12...	<50	<48	2	10	8	2	<100	<98	2
AUG. 13...	<50	<50	0	10	8	2	<100	<99	1

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
APR. 04...	.3	--	--	1	--	--	30	--	--
JUNE 12...	.1	.1	.0	0	0	0	50	40	10
AUG. 13...	.1	.0	.1	1	0	1	50	30	20

DATE	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
JUNE 12...	<.7	2.2	1.6	2.6	1.3	2.1	70	31	.08	.09

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
APR. 04...	1200	.0	2	8920	3	72	--	--	--	--	--
JUNE 12...	1800	12.0	25	93000	116	29100	51	62	96	100	--
AUG. 13...	1545	15.0	40	54100	92	13400	*55	*66	*80	*98	*100
SEP. 25...	1400	6.5	15	96600	104	27100	*43	*63	*91	*100	--

* Sieve Analysis

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA

15305900 DENNISON FORK NEAR TETLIN JUNCTION (LAT 63 25 24 LONG 142 29 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
AUG. 08...	0930	8.3	14	23	6.4	5.0	8.9

15305950 TAYLOR CREEK NEAR CHICKEN (LAT 63 54 27 LONG 142 12 58)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
AUG. 08...	1130	42	20	41	6.6	7.0	8.0

15341900 NORTH FORK KING SOLOMON CREEK NEAR EAGLE (LAT 64 32 32 LONG 141 11 15)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
AUG. 09...	1615	8.0	80	152	7.7	7.0	2.6

15356000 YUKON RIVER AT EAGLE (LAT 64 47 22 LONG 141 11 52)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
APR. 22...	1500	24500	121	230	7.4	.0	7.7
JUNE 21...	1700	237000	83	140	7.8	14.0	2.1
AUG. 10...	1210	163000	146	--	8.2	13.5	1.5

15389000 PORCUPINE RIVER NEAR FORT YUKON (LAT 66 59 26 LONG 143 08 16)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 04...	1200	--	--	--	--	--	--	--	--	--
APR. 23...	1330	987	--	--	--	--	--	--	212	--
MAY 30...	1500	--	--	--	--	--	--	--	48	--
JUNE 03...	1830	165000	410	30	15	1.9	.9	.7	46	0
SEP. 25...	1400	18100	--	--	--	--	--	--	90	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15389000 PORCUPINE RIVER NEAR FORT YUKON (LAT 66 59 26 LONG 143 08 16)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	CARBON DIOXIDE (CO2) (MG/L)
OCT.										
04...	--	--	--	--	--	180	7.3	.0	--	--
APR.										
23...	--	--	--	--	--	--	7.4	.0	--	14
MAY										
30...	--	--	--	--	--	65	7.4	7.0	--	3.1
JUNE										
03...	4.5	1.0	73	45	8	88	7.4	7.0	100	2.9
SEP.										
25...	--	--	--	--	--	155	7.8	3.5	--	2.3

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
JUNE											
03...	1830	7.0	100	165000	882	393000	11	17	24	30	36

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM	SUS. SED. SIEVE DIAM. % FINER THAN 2.00 MM
JUNE						
03...	40	42	45	56	79	99

15439800 BOULDER CREEK NEAR CENTRAL (LAT 65 34 05 LONG 144 53 13)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
SEP.							
03...	1740	19	45	110	7.4	7.5	2.9

15457800 HESS CREEK NEAR LIVENGOOD (LAT 65 39 55 LONG 149 05 47)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
APR.										
15...	1430	.20	6.2	--	--	--	--	2.3	.9	--
JULY										
11...	1700	43	7.0	630	110	16	4.7	1.5	.7	60
SEP.										
15...	1630	406	--	--	--	--	--	--	--	47

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15457800 HESS CREEK NEAR LIVENGOOD (LAT 65 39 55 LONG 149 05 47)--Continued

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)
APR. 15...	--	7.5	1.6	.1	--	.02	--	--	--	--
JULY 11...	0	6.6	1.5	.1	--	.09	--	--	--	--
SEP. 15...	--	--	--	--	.06	.05	.00	.00	1.0	1.0

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
APR. 15...	--	--	--	--	--	.01	--	--	90	--
JULY 11...	--	--	--	--	--	.00	100	69	59	10
SEP. 15...	1.0	1.0	1.1	.02	.01	--	--	--	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)
APR. 15...	208	6.8	.0	9	70	2.5	--	18	--	--
JULY 11...	115	7.1	17.5	1	73	--	7.6	--	20	.1
SEP. 15...	72	6.4	4.0	2	--	--	9.5	32	31	.3

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling Method
Sep 15	66	5.8	5.3	0.0	0.0	0.0	Polyethylene Strip

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
JULY 11...	1700	17.5	1	43	17	2.0
SEP. 15...	1630	4.0	2	906	20	49

ISLAND LAKE NEAR TETLIN JUNCTION (LAT 62 42 00 LONG 141 05 40)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 04...	1630	2.0	6.8	360	40	11	3.4	2.2	1.0	41

ISLAND LAKE NEAR TETLIN JUNCTION (LAT 62 42 00 LONG 141 05 40)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 04...	5.2	1.6	.1	.03	.03	.05	.91	.96	.99	.03

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 04...	.02	95	52	41	8	81	13.0	100	21

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 04...	70	160	<50	<10	0	10

DEADMAN LAKE NEAR TETLIN JUNCTION (LAT 62 53 00 LONG 141 32 50)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 04...	1200	2.0	13	20	10	13	6.1	1.9	.7	61

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
JUNE 04...	1.3	1.0	.3	.05	.04	.13	1.2	1.3	1.4

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
JUNE 04...	.04	.05	104	68	58	8	100	14.0	20

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 04...	40	50	<50	30	0	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15470300 LITTLE JACK CREEK NEAR NABESNA (LAT 62 32 47 LONG 143 19 30)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
SEP. 15...	1600	9.1	10	0	38	8.4	6.2	1.3	130	26

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
SEP. 15...	1.5	.1	.54	.01	155	157	130	23	0

FOUR MILE LAKE NEAR TETLIN JUNCTION (LAT 63 21 30 LONG 142 38 16)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 04...	1315	2.0	1.4	100	0	5.1	1.6	1.0	.8	11

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 04...	3.3	1.1	.1	.01	.01	.04	1.3	1.3	1.3	.04

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 04...	.01	61	20	19	10	36	14.0	100	10

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 04...	240	290	<50	<10	1	0

15471000 BITTERS CREEK NEAR NORTHWAY JUNCTION (LAT 63 09 30 LONG 142 05 20)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
AUG. 11...	1610	12	42	80	7.3	6.0	3.4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15471500 TANANA RIVER TRIBUTARY NEAR TETLIN JUNCTION (LAT 63 16 45 LONG 142 30 27)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
AUG.						
11...	1320	1.2	60	7.0	5.0	9.6

15473950 CLEARWATER CREEK NEAR TOK (LAT 63 10 19 LONG 143 12 03)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
JUNE							
22...	1030	91	72	142	7.9	8.5	1.5

15476000 TANANA RIVER NEAR TANACROSS (LAT 63 23 18 LONG 143 44 47)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	CARBON DIOXIDE (CO2) (MG/L)
JUNE								
21...	1630	16100	98	175	8.0	13.0	--	1.6
JULY								
23...	1200	37700	102	200	7.9	11.0	700	2.1

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JULY								
23...	1200	11.0	700	37700	2010	205000	30	41

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
JULY								
23...	50	60	69	78	86	95	99	100

JAN LAKE NEAR DOT LAKE (LAT 63 33 45 LONG 143 54 55)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUNE										
10...	1545	2.0	.2	90	0	13	2.1	2.2	2.1	51

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

JAN LAKE NEAR DOT LAKE (LAT 63 33 45 LONG 143 54 55)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 10...	1.4	.9	.1	.05	.05	.02	.65	.67	.72	.02

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 10...	.02	69	48	41	0	100	14.5	15	45

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 10...	30	40	50	20	0	10

15476300 BERRY CREEK NEAR DOT LAKE (LAT 63 41 23 LONG 144 21 47)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
MAR. 27...	1435	2.6	73	--	6.2	.0	74
JUNE 18...	1315	107	32	40	7.5	10.0	1.6
AUG. 07...	1900	139	38	70	7.4	9.0	2.4

ISA LAKE NEAR DOT LAKE (LAT 63 42 30 LONG 144 40 45)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 10...	1300	2.0	.4	140	20	5.3	1.3	.9	1.6	13

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 10...	5.1	1.5	.1	.01	.01	.04	.82	.86	.87	.00

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 10...	.01	50	23	19	8	30	14.5	45	10

LISA LAKE NEAR DOT LAKE (LAT 63 42 30 LONG 144 40 45)--Continued

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 10...	200	30	<50	50	0	30

CRAIG LAKE NEAR DOT LAKE (LAT 63 43 40 LONG 144 42 45)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 10...	1130	2.0	.3	70	0	4.4	1.3	.7	1.6	14

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 10...	3.9	1.0	.1	.03	.03	.05	.38	.43	.46	.00

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 10...	.02	40	20	16	5	44	15.0	30	11

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 10...	90	40	<50	30	0	20

LITTLE DONNA LAKE NEAR DOT LAKE (LAT 63 45 45 LONG 144 53 20)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
JUNE 09...	1515	2.0	.1	50	10	3.4	1.2	.6	.9

DATE	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)
JUNE 09...	13	1.8	.9	.1	.18	.07	.03	.64	.67

LITTLE DONNA LAKE NEAR DOT LAKE (LAT 63 45 45 LONG 144 53 20)--Continued

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
JUNE 09...	.85	.03	.01	33	16	13	3	16.5	20

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 09...	100	30	<50	40	0	10

DONNA LAKE NEAR DOT LAKE (LAT 63 46 15 LONG 144 54 30)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUNE 09...	1630	2.0	.5	80	0	7.2	2.6	1.4	1.4	32

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUNE 09...	2.7	.9	.1	.07	.07	.02	.49	.51	.58	.00

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 09...	.00	62	33	29	2	62	14.5	50	16

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 09...	60	50	<50	20	0	10

15478000 TANANA RIVER AT BIG DELTA (LAT 64 09 20 LONG 145 51 00)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JAN. 27...	1500	230	7.4	4.5	<1	11.0	<1	<1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

PHELAN CREEK AT RICHARDSON HIGHWAY NEAR PAXSON (LAT 63 12 44 LONG 145 38 13)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	0800	286	46	110	7.5	4.0	270	12.0	2.3	<1	<1	5.5

FIELDING LAKE NEAR PAXSON (LAT 63 11 03 LONG 145 38 42)

DATE	TIME	DEPTH (FT)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JUNE 26...	1700	.0	72	125	7.7	4.0	2	10	10.0	2.0	<1	<1
26...	1702	16	--	125	--	4.0	--	--	10.0	--	--	--
26...	1704	33	--	125	--	4.0	--	--	10.0	--	--	--
26...	1706	49	--	125	--	4.0	--	--	10.0	--	--	--

FIELDING LAKE OUTLET NEAR PAXSON (LAT 63 11 33 LONG 145 38 56)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 26...	1800	250	74	130	7.7	4.0	9.8	2.4	<1	# 2	1.7

15478050 McCALLUM CREEK NEAR PAXSON (LAT 63 13 27 LONG 145 38 56)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JUNE 24...	0915	151	38	90	7.4	3.0	20

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	5	12.1	2.4	<1	<1	1.0

PHELAN CREEK SPRING NEAR PAXSON (LAT 63 14 10 LONG 145 39 59)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
JAN. 27...	0900	92	0	180	7.5	1.5	<1	11.6	4.7

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

PHELAN SPRING NEAR PAXSON (LAT 63 14 42 LONG 145 40 30)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JAN. 27...	1030	--	--	175	7.1	2.0	--
JUNE 24...	1030	1.6	106	190	7.5	2.0	2
26...	1630	--	106	--	7.6	--	--

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN. 27...	--	11.3	--	--	--	--
JUNE 24...	<5	11.6	5.4	<1	<1	2.8
26...	--	--	4.3	--	--	--

PHELAN CREEK AT MOUTH NEAR BLACK RAPIDS (LAT 63 19 45 LONG 145 43 54)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JAN. 27...	1100	--	--	--	--	--	--	--	--	--
JUNE 26...	0900	973	6.1	30	20	18	4.8	2.7	.9	66

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
JAN. 27...	--	--	--	--	--	--	--	--	--	--
JUNE 26...	0	12	1.6	.1	.08	.02	77	79	65	11

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN. 27...	179	7.5	.5	1	--	12.6	--	--	--	--
JUNE 26...	130	8.1	6.0	70	10	11.1	.8	<1	<1	1.2

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
JUNE 26...	0900	6.0	70	973	458	1200	36	50	71	93	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

MILLER CREEK NEAR BLACK RAPIDS (LAT 63 22 25 LONG 145 43 45)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JUNE 24...	1130	1030	54	128	8.0	1.5	600

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	10	12.7	.9	<1	<1	2.0

LOWER MILLER CREEK NEAR BLACK RAPIDS (LAT 63 23 52 LONG 145 44 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JUNE 24...	1330	230	75	245	8.0	2.5	375

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	5	12.2	1.2	<1	<1	3.3

CASTNER CREEK NEAR BLACK RAPIDS (LAT 63 24 12 LONG 145 43 55)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JUNE 24...	1400	610	75	205	8.1	.5	475

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	5	14.0	1.0	<1	<1	1.0

TRIMS CREEK NEAR BLACK RAPIDS (LAT 63 25 27 LONG 145 45 09)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
JUNE 24...	1500	60	1.3	3400	10	130	130	0	21	9.4	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

TRIMS CREEK NEAR BLACK RAPIDS (LAT 63 25 27 LONG 145 45 09)--Continued

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
JUNE 24...	.6	66	0	33	.6	.1	.14	.01	100	100	91

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	37	185	8.0	3.0	25	15	12.3	1.1	<1	<1	.6

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JUNE 24...	2	2	0	<10	<10	0	<10	<10	0	<100

DATE	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	SUS-PENDED SILVER (AG) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE 24...	<99	1	1	<10	<10	0	0	0	0

MICHAELS CREEK NEAR BLACK RAPIDS (LAT 63 26 06 LONG 145 46 48)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JUNE 24...	1600	36	60	178	8.0	3.0	8

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	<5	12.4	1.0	<1	<1	.1

FLOOD CREEK NEAR BLACK RAPIDS (LAT 63 26 48 LONG 145 47 54)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JUNE 24...	1645	31	64	168	8.2	3.0	7

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

FLOOD CREEK NEAR BLACK RAPIDS (LAT 63 26 48 LONG 145 47 54)--Continued

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 24...	5	12.1	.6	<1	<1	4.2

WHISTLER CREEK NEAR BLACK RAPIDS (LAT 63 28 15 LONG 145 50 30)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JUNE 25...	1400	29	119	245	8.2	6.0	15

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 25...	5	11.8	1.2	<1	<1	.6

BOULDER CREEK NEAR BLACK RAPIDS (LAT 63 28 48 LONG 145 51 06)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JUNE 26...	1315	31	106	225	8.4	6.0	8

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 26...	5	11.9	.7	<1	<1	4.6

FALLS CREEK NEAR BLACK RAPIDS (LAT 63 31 03 LONG 145 51 15)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)
JUNE 25...	1730	16	1.7	250	10	60	60	0	23	22	1.8

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
JUNE 25...	.6	124	0	45	.9	.1	.18	.01	152	157	150

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

FALLS CREEK NEAR BLACK RAPIDS (LAT 63 31 03 LONG 145 51 15)--Continued

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 25...	46	280	8.4	6.0	3	<5	11.9	.8	<1	#1	.7

DATE	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)
JUNE 25...	4	2	2	<10	<10	0	<10	<10	0	<100	<99

DATE	DISSOLVED LEAD (PB) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	SUSPENDED SILVER (AG) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
JUNE 25...	1	0	0	0	<10	<9	1	0	0	0

GUNNYSACK CREEK NEAR BLACK RAPIDS (LAT 63 31 30 LONG 145 51 05)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JUNE 25...	1700	40	142	310	8.5	6.0	8

DATE	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 25...	10	12.0	.7	<1	<1	1.4

15478100 DELTA RIVER AT BLACK RAPIDS (LAT 63 31 45 LONG 145 51 30)

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)
JUNE 26...	1130	22000	450	73	135	8.2	6.5

DATE	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 26...	150	5	11.4	.7	#5	#1	1.6

Non-Ideal Colony Count

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15478100 DELTA RIVER AT BLACK RAPIDS (LAT 63 31 45 LONG 145 51 30)--Continued

DATE	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE					
26...	<10	20	<100	<10	30

DARLING CREEK NEAR BLACK RAPIDS (LAT 63 34 55 LONG 145 51 59)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JUNE							
25...	1600	54	120	270	8.5	6.5	30

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE						
25...	<5	11.7	.6	<1	# 2	.7

15478500 RUBY CREEK NEAR DONNELLY (LAT 63 37 52 LONG 145 53 03)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JUNE							
25...	1500	36	86	180	8.3	7.5	55
JULY							
22...	1630	30	--	280	--	11.0	--

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE						
25...	30	11.6	.7	<1	#2	5.0
JULY						
22...	--	--	--	--	--	--

DONNELLY CREEK AT DONNELLY (LAT 63 40 39 LONG 145 52 54)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JAN.										
27...	1300	--	--	--	--	--	--	--	--	--
JUNE										
25...	0915	33	5.6	40	10	57	16	3.6	2.1	194

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

DONNELLY CREEK AT DONNELLY (LAT 63 40 39 LONG 145 52 54)--Continued

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
JAN. 27...	--	--	--	--	--	--	--	--	--	--
JUNE 25...	0	50	1.0	.1	.39	.01	237	233	210	49

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN. 27...	360	7.3	1.0	1	--	10.5	--	<1	<1	--
JUNE 25...	409	8.1	4.5	<1	4	11.0	2.5	<1	#1	1.5

SOUTH TWIN LAKE NEAR DELTA JUNCTION (LAT 63 51 47 LONG 145 50 08)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUNE 03...	1530	2.0	.4	60	0	13	2.3	1.2	4.3	52

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUNE 03...	2.2	.8	.1	.09	.09	.04	.56	.60	.69	.01

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 03...	.01	66	50	42	0	99	12.0	9	7.9

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 03...	60	20	50	10	0	10

NORTH TWIN LAKE NEAR DELTA JUNCTION (LAT 63 52 00 LONG 145 50 08)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUNE 03...	1600	2.0	.1	40	0	10	2.1	1.3	1.8	38

Non-Ideal Colony Count

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

NORTH TWIN LAKE NEAR DELTA JUNCTION (LAT 63 52 00 LONG 145 50 08)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
JUNE 03...	1.2	1.0	.1	.05	.05	.01	.35	.36	.41

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
JUNE 03...	.01	.01	64	37	34	2	67	12.0	4

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 03...	40	40	<50	40	0	10

MARK LAKE NEAR DELTA JUNCTION (LAT 63 52 19 LONG 145 50 30)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 03...	1400	2.0	.4	110	0	11	3.3	.8	2.4	45

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 03...	3.4	.8	.1	.03	.03	.04	.73	.77	.80	.00

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 03...	.02	68	45	41	4	97	11.5	20	12

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 03...	80	30	<50	30	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

ROLIO LAKE NEAR DELTA JUNCTION (LAT 63 53 42 LONG 145 50 30)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 03...	1330	2.0	.1	220	0	12	3.0	1.3	3.0	49

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 03...	2.4	1.1	.1	.05	.05	.04	.63	.67	.72	.01

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 03...	.01	80	48	42	2	98	13.0	10	22

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 03...	50	40	50	20	0	0

JARVIS CREEK NEAR DELTA JUNCTION (LAT 64 01 25 LONG 145 43 25)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE 25...	1130	551	2.7	30	10	26	7.2	2.6	1.1	83

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
JUNE 25...	0	27	1.0	.1	.07	.05	103	109	95	27

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 25...	204	8.2	8.0	170	5	11.5	.8	<1	# 3	2.9

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

DELTA RIVER NEAR BIG DELTA (LAT 64 07 35 LONG 145 50 00)

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JAN. 27...	1430	220	7.5	3.0	<1	12.4	<1	<1

QUARTZ LAKE NEAR DELTA JUNCTION (LAT 64 12 50 LONG 145 49 10)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
MAY 29...	1215	6.0	1.0	60	10	27	32	11	16	266	0

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
MAY 29...	2.5	4.1	.6	.02	.02	.04	2.8	2.8	2.8	.01	.00

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	267	227	200	0	480	8.1	9.0	5	10.9	3.4	26

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 29...	<10	40	<50	10	0	0

LOST LAKE NEAR DELTA JUNCTION (LAT 64 12 00 LONG 145 50 45)

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
MAY 29...	1330	1.0	.6	600	6	23	10	2.3	5.6	101	0

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
MAY 29...	9.1	2.3	.2	.05	.01	.00	2.2	2.2	2.3	.00	.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

LOST LAKE NEAR DELTA JUNCTION (LAT 64 12 00 LONG 146 50 45)--Continued

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 29...	167	184	99	16	180	7.7	16.0	65	10.7	3.2	39

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 29...	<10	30	<50	10	0	0

BIRCH LAKE AT OUTLET NEAR FAIRBANKS (LAT 64 19 00 LONG 146 39 35)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY 27...	1335	1.0	2.5	160	50	13	5.5	3.3	6.3	63	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
MAY 27...	3.7	2.4	.2	.02	.01	.03	.63	.66	.68	.00	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 27...	80	68	55	3	110	7.0	10.0	30	10.2	10	23

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 27...	<10	30	<50	10	0	0

CHISHOLM LAKE NEAR FAIRBANKS (LAT 64 18 10 LONG 146 41 00)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY 28...	1300	1.0	1.2	400	60	10	2.0	1.0	2.1	30	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

CHISHOLM LAKE NEAR FAIRBANKS (LAT 64 18 10 LONG 146 41 00)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
MAY 28...	3.7	2.3	.1	.14	.01	.04	.88	.92	1.1	.08	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 28...	86	43	37	5	78	7.1	12.5	45	9.9	4.8	24

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 28...	<10	60	<50	<10	0	0

HARDING LAKE NEAR FAIRBANKS (LAT 64 25 20 LONG 146 51 10)

DATE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
JUNE 15...	.3	10	0	6.9	2.3	1.5	.9	36	3.1

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE 15...	.7	.1	.05	.05	.04	.26	.30	.35	.01

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 15...	.01	40	34	27	0	70	12.0	7	3.7

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 15...	50	40	<50	30	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

LITTLE HARDING LAKE AT OUTLET NEAR FAIRBANKS (LAT 64 24 35 LONG 146 53 50)

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
MAY 28...	1100	1.0	.7	580	10	8.5	4.0	2.0	1.8	44	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
MAY 28...	1.7	.6	.1	.02	.02	.00	.59	.59	.61	.06	.01

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY 28...	61	42	38	2	72	6.7	13.0	45	8.7	14	13

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 28...	70	120	<50	<10	0	10

REDMOND CREEK NEAR SALCHAKET (LAT 64 28 16 LONG 146 32 07)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
APR. 07...	1545	.20	13	2900	1200	19	8.8	4.9	1.6	90	0	21
JULY 15...	1400	12	12	580	40	16	5.2	3.5	1.1	86	0	6.0
SEP. 19...	1010	30	13	990	60	14	5.3	3.1	1.0	60	0	13

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
APR. 07...	1.3	.2	.05	.01	.09	.44	.53	.58	.01	.00	143	110
JULY 15...	1.3	.2	.04	.02	.03	.54	.57	.61	.02	.00	102	89
SEP. 19...	.9	.2	.13	.11	.00	.47	.47	.60	.03	.00	107	82

REDMOND CREEK NEAR SALCHAKET (LAT 64 28 16 LONG 146 32 07)--Continued

DATE	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)
APR. 07...	84	10	165	6.4	.0	2	85	.8	57	--	12	4.6
JULY 15...	61	0	180	7.4	14.5	3	65	9.4	5.5	8.1	7.9	.2
SEP. 19...	57	8	123	7.5	4.0	2	70	10.6	3.0	--	--	.2

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling Method
Apr 7	42	1.2	0.1	0.0	0.0	0.0	Polyethylene Strip

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
APR. 07...	100	40	<50	<10	0	60
JULY 15...	100	30	<50	<10	0	0
SEP. 19...	120	20	<50	10	0	0

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
APR. 07...	1545	.0	2	.20	9	.00
JULY 15...	1400	14.5	3	12	5	.16
SEP. 19...	1010	4.0	2	30	4	.32

SALCHA RIVER 8 MILES ABOVE GAGE NEAR SALCHAKET (LAT 64 29 10 LONG 146 39 00)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
APR. 07...	1100	156	7.5	60	20	20	5.9	2.2	1.3	72	0	20
JULY 01...	1300	1720	--	--	--	--	--	--	--	54	--	--
03...	1200	1490	7.3	--	--	16	4.7	1.7	.8	56	0	16
23...	1240	6270	7.4	220	80	11	3.7	1.5	.7	37	0	11
SEP. 19...	1215	2440	7.6	140	10	16	4.5	1.5	.9	61	0	14

SALCHA RIVER 8 MILES ABOVE GAGE NEAR SALCHAKET (LAT 64 29 10 LONG 146 39 00)--Continued

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
APR.												
07...	.6	.1	.45	.45	.00	.17	.17	.62	1.1	.98	95	98
JULY												
01...	--	--	--	--	--	--	--	--	--	--	--	--
03...	.5	.1	.34	.34	.00	.34	.34	.68	.01	.02	76	76
23...	1.5	.1	.22	.22	.00	.57	.57	.79	.04	.00	80	56
SEP.												
19...	.8	.1	.25	.25	.00	.25	.25	.50	.00	.00	87	77

DATE	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)
APR.												
07...	74	15	--	6.9	1.0	<1	4	9.5	15	--	7.1	2.2
JULY												
01...	--	--	110	7.5	13.5	1	--	9.6	2.7	--	--	--
03...	59	13	125	7.7	16.5	--	15	9.7	1.8	4.9	--	.1
23...	43	13	88	6.6	4.0	4	60	9.4	15	11	--	--
SEP.												
19...	58	8	131	7.5	7.0	1	15	11.8	2.8	--	--	.1

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m²) Dry weight	Biomass (g/m²) Ash weight	Chlorophyll a (mg/m²)	Chlorophyll b (mg/m²)	Biomass pigment ratio	Sampling Method
Apr 7	42	1.4	0.10	0.0	0.0	0.0	Polyethylene Strip

DATE	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL ZINC (ZN) (UG/L)
APR.						
07...	<100	40	<50	20	0	70
JULY						
23...	1000	30	<50	10	--	40
SEP.						
19...	60	30	<50	10	0	0

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
APR.						
07...	1100	1.0	<1	156	2	.04
JULY						
01...	1300	13.5	1	1720	4	19
23...	1240	4.0	4	6270	64	1080
SEP.						
19...	1215	7.0	1	2440	3	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15484000 SALCHA RIVER NEAR SALCHAKET (LAT 64 28 22 LONG 146 55 26)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 03...	1130	1800	7.7	220	25	19	6.0	1.8	.9	71	--	20
MAY 13...	2100	22100	2.6	460	40	5.6	1.0	.7	1.4	12	0	6.4
AUG. 25...	1230	1960	--	--	--	--	--	--	--	58	--	--

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
OCT. 03...	1.3	.1	.25	.26	.01	.22	.23	.48	.01	.00	90	93
MAY 13...	1.1	.1	.13	.08	.04	.79	.83	.96	.12	.03	--	26
AUG. 25...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED ORGANIC CARBON (C) (MG/L)
OCT. 03...	72	14	150	7.6	.0	3	8	--	2.9	7.1	--
MAY 13...	18	8	36	6.1	2.0	15	100	13.2	15	20	.8
AUG. 25...	--	--	130	7.7	11.0	--	--	--	1.9	--	--

DATE	TOTAL ALUMINUM (AL) (UG/L)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	TOTAL BORON (B) (UG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 03...	--	25	22	0	0	--	4	<2	0	--
MAY 13...	3100	--	--	--	--	40	--	--	--	<50

DATE	DISSOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED GALLIUM (GA) (UG/L)	DISSOLVED GERMANIUM (GE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	DISSOLVED MOLYBDENUM (MO) (UG/L)
OCT. 03...	0	<10	6	0	0	0	0	--	0
MAY 13...	--	10	--	--	--	--	--	0	--

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED SILVER (AG) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED TIN (SN) (UG/L)	DISSOLVED TITANIUM (TI) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	DISSOLVED ZIRCONIUM (ZR) (UG/L)
OCT. 03...	3	0	100	0	0	<.3	--	7	<1
MAY 13...	--	--	--	--	--	--	50	--	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15484000 SALCHA RIVER NEAR SALCHAKET (LAT 64 28 22 LONG 146 55 26)--Continued

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
OCT.											
03...	1130	.0	3	1000	3	8.1	--	--	--	--	--
MAY											
13...	2100	2.0	15	22100	234	14000	7	9	13	19	29

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM	SUS. SED. SIEVE DIAM. % FINER THAN 2.00 MM
MAY						
13...	40	52	71	93	99	100

15485500 TANANA RIVER AT FAIRBANKS (LAT 64 47 54 LONG 147 46 32)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
JULY									
16...	1545	60900	5.4	94000	60	2000	10	27	5.5

DATE	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
JULY									
16...	3.6	2.0	92	0	27	2.5	.1	.14	.00

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JULY									
16...	123	120	90	15	194	7.9	16.0	10	1.9

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY							
16...	56000	47	200	<16	110	170	100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY						
16...	.2	1	100	2	<10	200

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15485500 TANANA RIVER AT FAIRBANKS (LAT 64 47 54 LONG 147 46 32)--Continued

DATE	TIME	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JULY 17...	1300	700	58300	3820	601000	19	24

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM
JULY 17...	34	49	67	84	96	100

15493000 CHENA RIVER NEAR TWO RIVERS (LAT 64 53 55 LONG 146 24 42)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
JAN. 30...	1220	86	110	7.0	.0

15514000 CHENA RIVER AT FAIRBANKS (LAT 64 50 45 LONG 147 42 04)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 22...	0940	406	113	205	6.7	.0	36
APR. 24...	1430	267	133	240	6.8	2.0	34
MAY 02...	1420	611	100	185	6.9	1.5	20

DATE	TIME	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
MAY 14...	1630	30	13400	335	12100	8	14	15	26	46

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
MAY 14...	74	90	99	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

CHENA RIVER AT PEGER ROAD AT FAIRBANKS (LAT 64 50 35 LONG 147 46 47)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
JAN. 16...	1030	276	139	260	7.2	1.0	4.8	14

15515500 TANANA RIVER AT NENANA (LAT 64 33 55 LONG 149 05 30)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
APR. 26...	1330	7470	152	300	7.6	2.0	6.1

COAL CREEK NEAR SUNTRANA (LAT 63 52 47 LONG 148 40 37)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JULY 30...	1330	56	1.7	540	30	0	0	40	61	2.4	1.2	283

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
JULY 30...	18	98	.8	.2	.40	.40	.00	.12	.12	.52	.01	.02

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
JULY 30...	350	365	350	88	560	8.6	9.0	2	4	10.0	1.3	13

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY 30...	140	0	<100	<10	0	<10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 30...	.1	1	<50	0	<10	10

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 30...	1330	9.0	2	56	12	1.8

CRIPPLE CREEK NEAR SUNTRANA (LAT 63 52 45 LONG 148 44 06)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JULY 30...	1730	23	2.0	3000	40	70	30	41	48	3.1	1.3	265

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
JULY 30...	0	110	.2	.1	.35	.35	.00	.16	.16	.51	.04	.01

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
JULY 30...	352	330	300	83	552	8.5	10.0	40	5	10.7	1.3	4.6

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY 30...	1100	1	<100	<10	9	<10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 30...	.0	0	<50	0	10	30

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 30...	1730	10.0	40	23	180	11

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
JULY 30...	59

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

HEALY CREEK AT SUNTRANA (LAT 63 51 10 LONG 148 50 37)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
JULY 30...	1900	245	3.5	12000	10	350	0	49	36	3.7
SEP. 19...	1500	232	3.9	--	20	--	10	51	31	3.5

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)
JULY 30...	1.2	214	0	93	2.0	.1	.28	.28	.00
SEP. 19...	1.2	196	0	99	2.6	.1	.26	.25	.00

DATE	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
JULY 30...	.12	.12	.40	.18	.01	301	295	270	94
SEP. 19...	.08	.08	.34	.01	.00	304	290	260	94

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
JULY 30...	487	8.4	11.5	35	3	10.1	1.4	--	1.5
SEP. 19...	474	7.8	6.5	1	8	10.1	5.0	1.6	--

DATE	TOTAL ALUMINUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
JULY 30...	3600	2	<100	<10	14	<10	<100

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 30...	.0	0	<50	0	10	40

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
JULY 30...	1900	11.5	35	245	470	311	34	49	74	97	100
SEP. 19...	1500	6.5	1	232	139	87	--	--	--	--	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15564800 YUKON RIVER AT RUBY (LAT 64 44 28 LONG 155 29 22)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
JUNE 04...	1730	562000	3.8	340	30	22	4.2	1.7	1.1

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
JUNE 04...	78	0	9.1	1.1	.1	.08	.07	103	82

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JUNE 04...	72	8	144	8.0	12.5	75	100	1.2

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JUNE 04...	1730	12.5	75	562000	584	886000

15564875 MIDDLE FORK KOYUKUK RIVER NEAR WISEMAN (LAT 67 25 54 LONG 150 04 55)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
APR. 10...	1200	.01	3.4	5.2	.9	300	74	1.1	.0	.43	.01
JULY 12...	1630	557	--	--	--	180	--	--	--	--	--
20...	1715	3000	--	--	--	166	--	--	--	--	--
AUG. 23...	1420	511	--	--	--	212	--	--	--	--	--
SEP. 17...	1730	1010	--	--	--	180	--	--	--	--	--

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 10...	304	58	636	7.8	.0	3	0	3.6	7.6	3.8
JULY 12...	--	--	390	7.8	19.5	--	--	--	4.6	--
20...	--	--	--	8.0	8.5	--	--	--	2.7	--
AUG. 23...	--	--	450	8.3	13.0	--	--	--	1.7	--
SEP. 17...	--	--	400	8.0	5.5	--	--	--	3.0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15564877 WISEMAN CREEK AT WISEMAN (LAT 67 24 38 LONG 150 06 21)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	CARBON DIOXIDE (CO2) (MG/L)
JULY 12...	1230	5.7	128	300	7.9	19.5	--	2.6
28...	1450	37	107	--	7.8	9.5	--	2.7
AUG. 23...	1100	18	125	270	7.4	10.5	15	8.0

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
AUG. 23...	1100	10.5	15	18	56	2.7

JIM RIVER ABOVE PROSPECT CAMP NEAR BETTLES (LAT 66 47 52 LONG 150 43 06)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
MAR. 04...	1615	8.8	10	0	16	3.2	1.7	1.4	52	0
APR. 17...	1800	9.3	10	10	15	3.5	1.7	.5	55	0

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
MAR. 04...	5.5	.2	.2	.29	.01	64	53	10	113
APR. 17...	7.2	.5	.1	.29	.01	66	52	7	116

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR. 04...	6.0	.5	--	0	10.0	83	<1	<1	13
APR. 17...	6.5	.0	1	0	10.9	28	--	--	5.7

JIM RIVER BELOW PROSPECT CAMP NEAR BETTLES (LAT 66 47 42 LONG 150 43 40)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
MAR. 04...	1400	7.7	40	30	20	3.8	4.0	1.0	65	0
APR. 17...	1415	8.8	10	240	[illegible]	4.7	9.9	1.1	82	0

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

JIM RIVER BELOW PROSPECT CAMP NEAR BETTLES (LAT 66 47 42 LONG 150 43 48)--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
MAR. 04...	9.7	4.3	.2	1.1	.01	--	89	66	12	158
APR. 17...	32	12	.0	.92	.01	139	143	95	28	235

DATE	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR. 04...	6.0	.5	--	10	.5	104	<1	<1	--
APR. 17...	6.4	.5	1	0	1.6	52	--	--	12

JIM RIVER BELOW PROSPECT CAMP SITE 2 NEAR BETTLES (LAT 66 47 42 LONG 150 43 48)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
APR. 17...	1500	20	9.1	10	10	16	3.7	2.1	.6

DATE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
APR. 17...	55	0	7.5	.3	.1	.29	.01	68	55

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 17...	10	120	6.6	.5	1	0	10.2	22	1.0

15564884 PROSPECT CREEK NEAR PROSPECT CAMP (LAT 66 46 56 LONG 150 41 06)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
MAY 15...	1030	369	9	27	5.8	.5	23

15564887 BONANZA CREEK TRIBUTARY NEAR PROSPECT CAMP (LAT 66 36 52 LONG 150 41 24)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
MAY 08...	1530	24	6	29	<5.5	.0

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15565447 YUKON RIVER AT PILOT STATION (LAT 61 56 04 LONG 162 52 50)

National Stream-quality Accounting and Radiochemical Networks

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
APR. 02...	1700	43000	--	1500	--	150	--	--	49	11	--	--
JUNE 20...	1400	623000	4.7	11000	1200	280	200	80	23	4.3	1.9	1.1
JULY 10...	1400	479000	7.2	--	--	--	--	--	23	4.5	1.8	1.0
AUG. 14...	1515	365000	6.6	11000	20	310	310	0	27	6.2	2.5	1.5
SEP. 24...	1530	420000	7.3	--	--	--	--	--	26	6.1	2.3	1.0

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
APR. 02...	182	0	--	1.1	--	.16	.24	.40	.08	--	--
JUNE 20...	78	0	12	1.0	.1	.11	1.4	1.5	.19	110	88
JULY 10...	73	0	15	.9	.1	.08	.52	.60	.50	109	89
AUG. 14...	93	0	21	1.0	.1	.06	.25	.31	.18	121	112
SEP. 24...	87	0	16	1.1	.1	.24	.57	.81	.18	126	103

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 02...	170	18	319	7.3	.0	4	--	15	--	--	30
JUNE 20...	75	11	150	7.9	14.0	75	--	1.6	--	--	12
JULY 10...	76	16	165	7.6	16.0	75	--	2.9	<1	#2	--
AUG. 14...	93	17	194	8.0	16.0	140	8.6	1.5	#12	#4	6.8
SEP. 24...	90	19	184	8.0	7.5	25	9.6	1.4	#11	#12	--

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Apr 2	1700	TOTAL	0		Sediment Sampler

Non-Ideal Colony Count

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15565447 YUKON RIVER AT PILOT STATION (LAT 61 56 04 LONG 162 52 50)--Continued
National Stream-quality Accounting and Radiochemical Networks

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Jun 20	1400	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Pennales			
		Achnanthaceae			
		Achnanthes	105	5	
		Cocconeis	42	2	
		Cymbellaceae			
		Cymbella	84	4	
		Diatomaceae			
		Diatoma	42	2	
		Naviculaceae			
		Navicula	105	5	
		Pinnularia	42	2	
		Nitzschiaceae			
		Nitzschia	84	4	
		Chrysophyceae			
		Chrysomonadales			
		Ochromonadaceae			
		Dinobryon	42	2	
		CYANOPHYTA			
		Myxophyceae			
		Oscillatoriales			
		Oscillatoriaceae			
		Lyngbya	1575	75	
		TOTAL	2100		

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Jul 10	1400	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Melosira	56	43	
		Pennales			
		Fragilariaceae			
		Synedra	37	29	
		Nitzschiaceae			
		Nitzschia	37	29	
		TOTAL	130		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15565447 YUKON RIVER AT PILOT STATION (LAT 61 56 04 LONG 162 52 50)--Continued

National Stream-quality Accounting and Radiochemical Networks

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Aug 14	1515	CHLOROPHYTA			Sediment Sampler
		Chlorophyceae			
		Chlorococcales			
		Occystaceae			
		Ankistrodesmus		0	
		Scenedesmaceae			
		Scenedesmus		0	
		CHRYSOPHYTA			
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Cyclotella		0	
		Pennales			
		Achnanthaceae			
		Achnanthes	32	14	
		Cymbellaceae			
		Cymbella		0	
		Diatomaceae			
		Diatoma	32	14	
		Fragilariaceae			
		Hannaea	32	14	
		Synedra	130	57	
		Naviculaceae			
		Navicula		0	
		Nitzschiaceae			
		Nitzschia		0	
		EUGLENOPHYTA			
		Euglenophyceae			
		Euglenales			
		Euglenaceae			
		Trachelomonas		0	
		TOTAL	220		

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Sep 24	1530	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Centrales			
		Coscinodiscaceae			
		Melosira	91	35	
		Pennales			
		Achnanthaceae			
		Achnanthes		0	
		Cymbellaceae			
		Amphora		0	
		Cymbella		0	
		Diatomaceae			
		Diatoma	15	6	
		Eunotiaceae			
		Eunotia		0	
		Fragilariaceae			
		Asterionella	15	6	
		Hannaea	15	6	
		Synedra	30	12	
		Gomphonemataceae			
		Gomphonema		0	
		Naviculaceae			
		Navicula		0	
		Neidium		0	
		Pinnularia		0	
		Nitzschiaceae			
		Nitzschia	91	35	
		TOTAL	260		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15565447 YUKON RIVER AT PILOT STATION (LAT 61 56 04 LONG 162 52 50)--Continued

National Stream-quality Accounting and Radiochemical Networks

DATE	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)
APR. 02...	1	--	--	<10	--	--	0	--	--
JUNE 20...	6	2	4	<10	<9	1	0	0	0
AUG. 14...	4	4	0	<10	<10	0	10	10	0

DATE	TOTAL COBALT (CO) (UG/L)	SUSPENDED COBALT (CO) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
APR. 02...	<50	--	--	40	--	--	<100	--	--
JUNE 20...	<50	<50	0	30	25	5	<100	<90	10
AUG. 14...	<50	<50	0	60	56	4	<100	<100	0

DATE	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
APR. 02...	.2	--	--	0	--	--	30	--	--
JUNE 20...	.3	.0	.3	1	1	0	70	60	10
AUG. 14...	.1	.0	.1	--	--	1	70	60	10

DATE	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUSPENDED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED URANIUM (DIRECT FLUOROMETRIC) (PC/L)	DISSOLVED URANIUM (U) (UG/L)
APR. 02...	<2.0	<.4	2.6	<.4	2.1	<.4	180	<1	.05	--	.65
JUNE 20...	2.1	28	2.2	9.6	1.8	8.6	99	300	.03	--	.23
JULY 10...	2.4	25	2.3	11	1.8	8.8	110	300	.04	--	.33
AUG. 14...	<1.3	17	14	11	11	9.7	130	260	.04	--	.57
SEP. 24...	2.0	4.8	14	4.3	11	3.4	120	130	.17	.6	--

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
APR. 02...	1700	.0	4	43000	4	464	--	--	--	--	--
JUNE 20...	1400	14.0	75	623000	383	644000	12	19	27	39	55
JULY 10...	1400	16.0	75	479000	238	308000	--	--	--	--	--
AUG. 14...	1515	16.0	140	365000	256	252000	--	--	--	--	--
SEP. 24...	1530	7.5	25	420000	142	161000	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

15565447 YUKON RIVER AT PILOT STATION (LAT 61 56 04 LONG 162 52 50)--Continued
National Stream-quality Accounting and Radiochemical Networks

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
JUNE 20...	70	86	98	100
JULY 10...	86	96	100	--
AUG. 14...	90	98	100	--
SEP. 24...	80	96	100	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

NORTHWEST ALASKA

15744000 KOBUK RIVER AT AMBLER (LAT 67 05 13 LONG 157 50 51)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
JUNE 05...	1430	37400	1.1	140	10	17	2.3	.5	.4

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
JUNE 05...	58	0	3.6	.8	.1	.12	.01	58	55

DATE	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
JUNE 05...	52	4	108	7.8	6.5	2	20	1.5

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM
JUNE 05...	1430	6.5	2	37400	50	5050	46	59	83	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA

15798700 NUNAVAK CREEK NEAR BARROW (LAT 71 15 35 LONG 156 46 57)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)
JUNE							
15...	1130	.80	5	82	6.5	.0	2.5
16...	2100	7.2	4	60	6.3	.0	3.2
17...	0945	6.6	5	60	6.4	.0	3.2
17...	1540	13	12	54	6.6	1.0	4.8
18...	1100	8.6	11	50	6.5	2.0	5.6
18...	1530	15	10	51	6.3	4.0	8.0
18...	2145	22	9	42	6.4	2.0	5.7
19...	1045	14	9	40	6.4	1.5	5.7
19...	2200	17	11	42	6.4	2.0	7.0
20...	0945	17	11	42	6.5	1.5	5.6
21...	1030	18	11	42	6.3	4.0	8.8
22...	1015	20	10	39	6.5	4.0	5.1
23...	1515	18	11	38	6.3	12.0	8.8
23...	2015	17	10	40	6.4	10.0	6.4
24...	0915	12	12	41	6.3	4.5	9.6
25...	1000	8.3	13	39	6.4	5.5	8.3
AUG.							
08...	1430	.16	5	90	6.4	4.0	3.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

15875000 COLVILLE RIVER NEAR UMIAT (LAT 69 21 45 LONG 152 05 40)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
APR. 19...	1630	3.3	3.9	1.1	23	1.0	.0	.55	.01

DATE	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 19...	110	238	6.9	.0	2	0	3.6	4.2

COLVILLE RIVER NEAR NUIQSUT (LAT 70 09 56 LONG 150 55 00)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
APR. 29...	0930	4.0	--	--	--	--	160	6.1	192
AUG. 14...	1215	2.1	20	0	22	5.0	2.5	.6	78

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
APR. 29...	--	65	290	.1	.29	.00	--	--	292
AUG. 14...	0	9.5	1.5	.1	.09	.00	85	82	76

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 29...	130	1340	7.5	1.0	2	0	14.4	9.7	5.7
AUG. 14...	12	163	8.1	10.0	--	10	11.3	1.0	3.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

15896000 KUPARUK RIVER NEAR DEADHORSE (LAT 70 16 54 LONG 148 57 35)

National Stream-quality Accounting Network

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
APR. 29...	1130	--	4.4	--	--	--	--	--	--	--
JUNE 09...	1200	13000	--	4000	160	--	--	30	--	--
JULY 09...	1300	748	.9	--	--	--	--	--	17	2.1
AUG. 13...	1600	235	.1	30	10	0	0	0	25	2.1
SEP. 19...	1530	438	1.0	0	0	60	0	60	20	.4

DATE	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
APR. 29...	4.6	1.3	246	--	4.8	4.1	.0	--	.01
JUNE 09...	--	--	206	--	--	--	--	--	--
JULY 09...	.9	.2	67	0	1.2	.9	.1	.02	--
AUG. 13...	1.9	.4	90	--	2.2	1.0	.0	--	--
SEP. 19...	2.2	.4	67	0	2.3	.6	.0	.10	--

DATE	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
APR. 29...	--	--	--	.03	--	--	--	--	426
JUNE 09...	--	--	--	--	--	--	--	--	--
JULY 09...	.30	.32	.00	--	--	56	51	0	100
AUG. 13...	--	--	--	--	--	77	71	0	150
SEP. 19...	.22	.32	.00	--	70	60	52	0	--

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 29...	7.5	.0	--	0	1.4	12	--	--	16
JUNE 09...	7.2	1.0	20	--	14.6	21	<1	<1	18
JULY 09...	7.8	13.5	1	--	--	1.7	--	--	--
AUG. 13...	7.8	11.0	1	--	11.6	2.3	--	--	5.7
SEP. 19...	6.8	1.0	1	--	--	17	--	--	3.8

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

15896000 KUPARUK RIVER NEAR DEADHORSE (LAT 70 16 54 LONG 148 57 35)--Continued
National Stream-quality Accounting Network

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Jul 9	1300	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Pennales			
		Achnanthaceae			
		Achnanthes	3	100	
		TOTAL	3		

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling Method
Sep 19	1630	CHRYSOPHYTA			Sediment Sampler
		Bacillariophyceae			
		Pennales			
		Achnanthaceae			
		Achnanthes	66	45	
		Cymbellaceae			
		Cymbella	7	5	
		Diatomaceae			
		Diatoma	58	40	
		Naviculaceae			
		Navicula		0	
		Nitzschiaceae			
		Nitzschia	7	5	
		Tabellariaceae			
		Tabellaria	7	5	
		TOTAL	140		

PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling Method
Aug 13	35	1.8	1.3	0.2	0.0	0.2	Polyethylene Strip

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
JUNE									
09...	0	0	0	<10	<10	0	0	0	0
AUG.									
13...	0	0	0	<10	<10	0	0	0	0
SEP.									
19...	0	0	0	<10	<10	0	10	0	10

DATE	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
JUNE									
09...	<50	<50	0	20	10	10	<100	<97	3
AUG.									
13...	<50	<50	0	<10	<9	1	<100	<100	0
SEP.									
19...	<50	<50	0	<10	<6	4	<100	<100	0

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

15896000 KUPARUK RIVER NEAR DEADHORSE (LAT 70 16 54 LONG 148 57 35)--Continued
National Stream-quality Accounting Network

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE									
09...	.3	.2	.1	0	0	0	60	40	20
AUG.									
13...	.0	.0	.0	0	0	0	10	10	0
SEP.									
19...	.0	.0	.0	0	0	0	20	0	20

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
JUNE											
09...	1200	1.0	28	13000	99	3480	26	31	43	60	74
JULY											
09...	1300	13.5	1	748	2	4.0	--	--	--	--	--

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
JUNE				
09...	81	86	95	100

15896700 PUTULIGAYUK RIVER NEAR DEADHORSE (LAT 70 16 08 LONG 148 37 11)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JUNE										
11...	1700	434	1.5	70	20	20	1.7	5.0	1.4	65
14...	1000	1870	.8	50	4	19	1.9	3.8	1.5	69
JULY										
08...	2210	25	--	--	--	--	--	--	--	144
31...	0800	[illegible]	--	--	--	--	--	--	--	173
AUG.										
13...	1600	14	--	--	--	--	--	--	--	--
SEP.										
20...	0800	6.3	--	--	--	--	--	--	--	170

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)
JUNE									
11...	.4	12	.1	--	.05	--	--	--	--
14...	1.4	8.2	.0	--	.19	--	--	--	--
JULY									
08...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
AUG.									
13...	--	--	--	--	.05	--	.08	--	.62
SEP.									
20...	--	--	--	.04	--	.00	--	.91	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

15896700 PUTULIGAYUK RIVER NEAR DEADHORSE (LAT 70 16 08 LONG 148 37 11)--Continued

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
JUNE									
11...	--	--	--	--	--	.00	98	74	57
14...	--	--	--	--	--	.10	87	72	55
JULY									
08...	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--
AUG.									
13...	--	.62	--	--	.01	--	--	--	--
SEP.									
20...	.91	--	.95	.00	--	--	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
JUNE									
11...	4	148	--	.0	1	22	--	--	--
14...	0	150	--	.0	2	22	--	--	--
JULY									
08...	--	240	7.7	15.0	--	--	4.6	--	14
31...	--	--	8.0	5.0	--	--	2.8	--	--
AUG.									
13...	--	--	--	13.0	--	--	--	8.9	--
SEP.									
20...	--	290	--	.0	--	--	--	--	--

DATE	TIME	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM
JUNE										
11...	1715	.0	1	434	12	14	[illegible]	*99	*100	--
14...	1000	.0	2	1070	45	227	61	66	77	100

UNNAMED CREEK ABOVE GALBRAITH CAMP (LAT 68 27 11 LONG 149 28 56)

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)
SEP.		
03...	1530	1.7

UNNAMED CREEK BELOW GALBRAITH CAMP (LAT 68 27 18 LONG 149 28 13)

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)
SEP.		
03...	1500	3.8

*Sieve Analysis

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

15910000 SAGAVANIRKTOK RIVER NEAR SAGWON (LAT 69 05 15 LONG 148 45 10)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
APR. 20...	1200	1.2	2.7	--	--	--	--	3.5	.5
JUNE 06...	1830	6440	1.3	20	5	21	2.6	.8	.3
JULY 10...	1600	3440	--	--	--	--	--	--	--
AUG. 22...	1400	2330	--	--	--	--	--	--	--

DATE	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA,MG) (MG/L)
APR. 20...	175	--	12	1.0	.2	.19	.00	--	156
JUNE 06...	79	0	5.0	--	.1	.05	.00	70	63
JULY 10...	100	--	--	--	--	--	--	--	--
AUG. 22...	122	--	--	--	--	--	--	--	--

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
APR. 20...	12	310	8.0	.5	1	0	6.7	2.8
JUNE 06...	0	132	7.7	8.0	15	20	11.3	2.5
JULY 10...	--	150	7.7	14.0	--	--	--	3.2
AUG. 22...	--	180	7.4	9.5	2	--	--	7.8

DATE	TIME	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
JUNE 06...	1830	8.0	15	6440	63	1100
AUG. 22...	1400	9.5	2	2330	1	6.3

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
JUNE 06...	68	75	90	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

IVASHAK HILLSIDE SPRING NEAR SAGWON (LAT 69 01 50 LONG 147 43 00)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
APR. 20...	1540	4.9	.4	.4	124	8.9	.3	.4	.08

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 20...	.00	111	16	252	7.5	2	0	8.7	5.3

FLOOD CREEK SPRING NEAR SAGWON (LAT 68 58 40 LONG 147 51 30)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
APR. 20...	1415	54	5.3	.3	.5	131	11	.9	.4	.11

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 20...	.01	222	8.0	7.0	2	0	9.0	2.1	9.9

SAVIUKVIAYAK TRIBUTARY UPPER SPRING NEAR SAGWON (LAT 68 56 20 LONG 147 58 45)

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
APR. 20...	1000	45	4.8	.8	.5	141	9.1	.9	.3	.11

DATE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
APR. 20...	.03	130	14	247	8.2	6.5	1	0	8.9	1.4

SAGAVANIRKTOK RIVER NEAR FRANKLIN BLUFFS CAMP (LAT 69 49 43 LONG 148 46 13)

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
SEP. 21...	1445	2.0	30	0	40	6.0	.9	.2	138

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

SAGAVANIRKTOK RIVER NEAR FRANKLIN BLUFFS CAMP (LAT 69 49 43 LONG 148 45 13)--Continued

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
SEP. 21...	0	14	.9	.2	.09	.00	139	133	120

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP. 21...	11	243	7.6	.5	3	3	14.3	5.5	2.1

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)
SEP. 21...	10	<10

UNNAMED LAKE 22 NEAR DEADHORSE (LAT 70 11 00 LONG 148 12 46)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
AUG. 13...	1130	.3	20	0	40	3.5	9.9	1.0	113

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
AUG. 13...	0	1.1	26	.1	.02	.00	171	138	119

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 13...	17	275	7.6	9.0	15	11.4	4.5	9.4

SHAVIOVIK RIVER NEAR DEADHORSE (LAT 70 05 07 LONG 147 16 30)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 13...	0900	110	235	7.6	8.0	12.0	4.4	4.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

SHUBLIK SPRING NEAR MOUNT COPLESTON NEAR KAKTOVIK (LAT 69 27 30 LONG 146 09 45)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
APR. 28...	1400	24	124	140	30	270	7.9

DATE	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 28...	5.5	1	0	9.0	2.5	.8

CANNING RIVER NEAR DEADHORSE (LAT 69 50 30 LONG 146 27 10)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 12...	1600	107	240	7.7	9.0	11.8	3.4	27

RED HILL SPRING NEAR CANNING RIVER NEAR KAKTOVIK (LAT 69 37 37 LONG 146 01 38)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
APR. 28...	1245	.86	29	--	--	--	--	130	5.9	93
AUG. 12...	1345	--	27	0	0	55	21	120	5.8	322

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
APR. 28...	--	90	150	1.1	.01	.03	--	--	--
AUG. 12...	0	50	130	1.0	.02	.01	558	569	220

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 28...	--	--	7.8	33.0	20	0	.4	--	6.3
AUG. 12...	0	967	8.2	29.0	--	2	--	3.3	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

KATAKTURUK RIVER TRIBUTARY SPRING NEAR KAKTOVIK (LAT 69 41 42 LONG 145 06 33)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
APR. 28...	1115	4.3	3.3	.5	.5	130	18	.8	.1	.08	.00

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 28...	130	23	245	8.2	1.0	1	0	11.4	1.3	2.1

KATAKTUHUK RIVER NEAR KAKTOVIK (LAT 69 52 25 LONG 145 12 00)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 10...	0930	120	250	7.8	3.0	20	5	13.2	3.0	3.7

MARSH CREEK NEAR KAKTOVIK (LAT 69 47 33 LONG 144 49 00)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 10...	1230	112	425	7.5	3.5	2	5	12.2	5.7	6.0

SADLEROCHIT RIVER NEAR KAKTOVIK (LAT 69 39 13 LONG 144 22 56)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 07...	1600	411	50	155	7.1	7.5	11.6	6.4	3.8

SADLEROCHIT SPRING NEAR KAKTOVIK (LAT 69 39 23 LONG 141 23 37)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
APR. 27...	1630	35	10	--	--	--	--	8.2	1.1	152
AUG. 07...	1400	37	10	30	0	47	18	7.8	1.0	140

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

SADLEROCHIT SPRING NEAR KAKTOVIK (LAT 69 39 23 LONG 144 23 37)--Continued

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
APR. 27...	--	71	4.0	.7	.05	.00	--	--	190
AUG. 07...	0	66	3.5	.6	.07	.01	249	223	190

DATE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 27...	65	410	7.9	13.0	1	0	7.0	3.1	.7
AUG. 07...	77	400	7.3	13.0	--	4	6.2	11	.7

HULAHULA RIVER SITE 2 NEAR KAKTOVIK (LAT 69 41 47 LONG 144 12 10)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 07...	0930	739	76	210	7.5	4.0	2	5	12.9	3.8	5.7

HULAHULA RIVER SITE 1 NEAR KAKTOVIK (LAT 69 45 39 LONG 144 09 15)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
APR. 28...	1000	7.3	3.1	1.8	.7	116	27	1.3	.4	.10	.01

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 28...	126	31	240	8.0	1.0	1	0	13.6	1.9	1.7

JAGO RIVER NEAR KAKTOVIK (LAT 69 37 02 LONG 143 41 06)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 08...	0900	266	78	193	7.7	4.5	<1	5	12.8	2.2	6.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

OKEROKOVIK RIVER SITE 1 NEAR KAKTOVIK (LAT 69 42 07 LONG 143 14 23)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 08...	1400	85	123	275	7.5	8.0	<1	5	11.6	6.2	14

AICHILIK SPRING NEAR KAKTOVIK (LAT 69 31 06 LONG 143 02 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
APR. 27...	1330	1.5	2.4	2.8	2.1	144	39	2.0	.2	.08	.19

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 27...	162	44	338	8.0	3.5	2	0	12.4	2.3	1.2

AICHILIK RIVER SITE 1 NEAR KAKTOVIK (LAT 69 35 23 LONG 142 58 03)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 11...	0930	96	235	7.5	3.5	<1	5	12.9	4.9	1.8

EGAKSRAK RIVER NEAR KAKTOVIK (LAT 69 32 05 LONG 142 41 05)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 11...	1200	84	175	7.5	5.5	<1	5	12.2	4.3	7.9

EKALUAKAT RIVER NEAR KAKTOVIK (LAT 69 34 35 LONG 142 18 38)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 09...	1000	146	325	7.7	6.5	<1	5	11.6	4.7	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

EKALUAKAT RIVER SITE 1 NEAR KAKTOVIK (LAT 69 35 27 LONG 142 18 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
APR. 22...	1000	5.1	3.9	4.5	.6	165	25	3.6	.4	.07

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 22...	.00	172	37	350	6.5	1	0	8.1	4.9

KONGAKUT RIVER NEAR KAKTOVIK (LAT 69 30 54 LONG 141 42 34)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 09...	0900	110	250	7.7	6.5	<1	5	11.9	3.5	2.4

KONGAKUT SPRING NEAR DEMARCATION BAY NEAR KAKTOVIK (LAT 69 32 36 LONG 141 49 38)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)
APR. 27...	1000	13	2.3	1.0	.5	134	25	.9	.1	.08

DATE	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 27...	.00	276	7.9	1.0	1	0	13.0	2.7	3.9

KONGAKUT DELTA ICING NEAR KAKTOVIK (LAT 69 43 36 LONG 141 46 07)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
APR. 27...	1200	38	2.7	1.1	1.1	118	17	.5	.1	.14	.11

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 27...	116	19	232	7.9	1.5	1	0	12.2	2.4	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ARCTIC SLOPE ALASKA--Continued

TURNER RIVER NEAR KAKTOVIK (LAT 69 35 56 LONG 141 24 10)

DATE	TIME	BICARBONATE (HCO3) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.										
09...	1330	150	305	7.6	6.5	<1	10	11.7	6.0	6.7

CLARENCE RIVER SPRING NEAR DEMARCATION BAY NEAR KAKTOVIK (LAT 69 30 44 LONG 141 11 37)

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)
APR.								
27...	1050	2.3	.5	.4	124	12	.7	.0

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR.							
27...	.05	.00	132	30	7.9	2.5	6.3

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHEASTERN ALASKA

YAKUTAT WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)
59 33 14	139 43 32	01	CD02703430BBAA001	85415	75-05-16	1130	* 44	325	158	211	6.5

DATE OF SAMPLE	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-05-16	50	20	63	7.6	3.8	3.1	208	0	16	5.6	.2	.14

DATE OF SAMPLE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
75-05-16	.00	202	209	190	18	370	7.4	5.0	3	12

* Public water supply (treated water)

SOUTH-CENTRAL ALASKA

KENAI CITY WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
60 29 48	151 04 18	01	SB00501029BDDA005	10070	74-10-02	1130	163	48	200	40	6.3

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
74-10-02	6.9	29	4.9	122	3.1	6.1	.3	.25	.43	167	44	0

DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
74-10-02	247	20	27	0	0	0	60	3	0	0	20

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

COLLIER CHEMICAL (INDUSTRIAL WASTE) WELLS NEAR KENAI

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
60 40 12	151 22 14	01	SB00701227CDBB016	10981	75-06-18	1500	* 42	71	--	--	--
60 40 15	151 22 24	01	SB00701227BCAC019	10989	75-06-18	1400	42	70	10	210000	41000
60 40 16	151 22 34	01	SB00701227BCDD020	10990	75-06-18	1000	42	75	--	--	--
60 40 16	151 22 37	01	SB00701227BCBA021	10991	75-06-18	0945	42	75	--	--	--
60 40 17	151 22 39	01	SB00701227BCBC022	10985	75-06-18	1010	42	--	9.9	23000	0
60 40 19	151 22 42	01	SB00701227BCBB023	10986	75-06-18	1440	42	--	1.3	150	150
60 40 21	151 22 24	01	SB00701227CBDA017	10982	75-06-19	0930	42	71	2.1	560000	140
60 40 21	151 22 47	01	SB00701228AADD002	10987	75-06-19	1000	42	70	--	660	--
60 40 23	151 22 38	01	SB00701227BBCD018	10984	75-06-18	1500	42	69	--	90	110
60 40 33	151 22 32	01	SB00701227BBBA015	10980	75-06-17	1400	42	74	4.4	21000	460
60 40 34	151 22 46	01	SB00701228AAAD003	10988	75-06-19	1030	42	70	2.2	64000	320
60 40 37	151 22 39	01	SB00701222CCCB010	10983	75-06-17	1500	42	73	7.5	200000	9000

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
60 40 12	151 22 14	01	75-06-18	--	--	--	--	--	--	--	--	--
60 40 15	151 22 24	01	75-06-18	1100	14	15	51	7.8	370	0	17	7.6
60 40 16	151 22 34	01	75-06-18	--	--	--	--	--	820	--	--	--
60 40 16	151 22 37	01	75-06-18	--	--	--	--	--	--	--	--	--
60 40 17	151 22 39	01	75-06-18	220	25	110	110	110	3500	0	210	14
60 40 19	151 22 42	01	75-06-18	930	3.6	1.1	57	60	37900	37300	200	170
60 40 21	151 22 24	01	75-06-19	120	2.9	.6	110	87	450	380	530	130
60 40 21	151 22 47	01	75-06-19	--	--	--	--	--	--	--	--	--
60 40 23	151 22 38	01	75-06-18	150	3.9	.0	62	32	13900	32600	450	150
60 40 33	151 22 32	01	75-06-17	280	18	27	16	6.7	200	0	1.1	6.4
60 40 34	151 22 46	01	75-06-19	20	6.7	16	190	27	1050	132	73	14
60 40 37	151 22 39	01	75-06-17	880	17	11	9.9	3.2	94	0	16	12

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
60 40 12	151 22 14	01	75-06-18	--	.07	--	7.4	180	190	190	.96	--
60 40 13	151 22 24	01	75-06-18	.1	.02	.02	1.2	3.8	5.0	5.0	.08	.00
60 40 16	151 22 34	01	75-06-18	--	.38	--	77	130	210	210	1.8	--
60 40 16	151 22 37	01	75-06-18	--	.02	--	6.6	11	18	18	2.5	--
60 40 17	151 22 39	01	75-06-18	.4	.62	.65	260	450	710	710	.39	.07
60 40 19	151 22 42	01	75-06-18	--	--	--	21000	1000	22000	--	.72	--
60 40 21	151 22 24	01	75-06-19	.1	.01	.01	220	30	250	250	1.7	.61
60 40 21	151 22 47	01	75-06-19	--	--	--	950	3000	3900	--	2.3	--
60 40 23	151 22 38	01	75-06-18	1.1	2.2	2.2	8200	2800	11000	11000	.60	--
60 40 33	151 22 32	01	75-06-17	.1	.02	.02	2.5	3.9	6.4	6.4	.10	.00
60 40 34	151 22 46	01	75-06-19	.3	.64	.62	98	42	140	140	.06	--
60 40 37	151 22 39	01	75-06-17	.1	.08	.00	2.3	5.9	8.2	8.2	1.2	.00

* Industrial waste

COLLIER CHEMICAL (INDUSTRIAL WASTE) WELLS NEAR KENAI--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
60 40 12	151 22 14	01	75-06-18	--	--	--	--	--	6.6
60 40 15	151 22 24	01	75-06-18	234	347	97	0	394	6.4
60 40 16	151 22 34	01	75-06-18	--	--	--	--	1700	8.4
60 40 16	151 22 37	01	75-06-18	--	--	--	--	--	6.3
60 40 17	151 22 39	01	75-06-18	1030	2320	520	0	4670	8.4
60 40 19	151 22 42	01	75-06-18	3780	56500	14	0	38600	10.0
60 40 21	151 22 24	01	75-06-19	1740	1470	10	0	18800	9.3
60 40 21	151 22 47	01	75-06-19	--	--	--	--	--	10.0
60 40 23	151 22 38	01	75-06-18	720	--	10	0	52000	9.6
60 40 33	151 22 32	01	75-06-17	193	181	160	0	350	7.4
60 40 34	151 22 46	01	75-06-19	685	982	83	0	1760	8.4
60 40 37	151 22 39	01	75-06-17	164	133	88	11	217	6.4

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
60 40 12	151 22 14	01	75-06-18	5.0	--	--	--
60 40 15	151 22 24	01	75-06-18	5.0	200	236	--
60 40 16	151 22 34	01	75-06-18	5.0	--	5.2	--
60 40 16	151 22 37	01	75-06-18	5.0	--	--	--
60 40 17	151 22 39	01	75-06-18	14.0	900	22	100
60 40 19	151 22 42	01	75-06-18	14.0	3500	18	--
60 40 21	151 22 24	01	75-06-19	4.0	2300	1.0	--
60 40 21	151 22 47	01	75-06-19	11.0	--	--	600
60 40 23	151 22 38	01	75-06-18	25.0	1500	32	--
60 40 33	151 22 32	01	75-06-17	--	160	13	41
60 40 34	151 22 46	01	75-06-19	16.5	400	8.4	--
60 40 37	151 22 39	01	75-06-17	5.0	250	60	27

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TIME	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
60 40 15	151 22 24	01	75-06-18	1400	16000	35	100	<10	90	80	<100	.0
60 40 17	151 22 39	01	75-06-18	1010	2400	5	100	<10	30	1100	<100	.1
60 40 19	151 22 42	01	75-06-18	1440	11000	200	300	<10	0	120	<100	.1
60 40 21	151 22 24	01	75-06-19	0930	120	10	700	60	210	450	4000	.2
60 40 21	151 22 47	01	75-06-19	1000	4900	220	900	<10	30	120	<100	.1
60 40 23	151 22 38	01	75-06-18	1500	1900	55	100	<10	10	50	<100	.1
60 40 33	151 22 32	01	75-06-17	1400	2400	0	0	<10	20	170	<100	.2
60 40 34	151 22 46	01	75-06-19	1030	9000	3	200	<10	40	60	<100	.1
60 40 37	151 22 39	01	75-06-17	1500	--	45	300	<10	120	270	<100	.6

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
60 40 15	151 22 24	01	75-06-18	5	100	0	<10	160
60 40 17	151 22 39	01	75-06-18	27	<50	0	<10	530
60 40 19	151 22 42	01	75-06-18	8	50	1	<10	100
60 40 21	151 22 24	01	75-06-19	2	200	0	<10	1000
60 40 21	151 22 47	01	75-06-19	8	50	0	<10	100
60 40 23	151 22 38	01	75-06-18	1	400	0	<10	600
60 40 33	151 22 32	01	75-06-17	0	<50	0	<10	210
60 40 34	151 22 46	01	75-06-19	2	<50	0	<10	100
60 40 37	151 22 39	01	75-06-17	1	100	1	<10	430

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ANCHORAGE CITY WELLS

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPH)	DIS-SOLVED SILICA (SIO2) (MG/L)
61 10 33	149 43 02	01	SB01300336ADDA008	2048	74-10-07	1200	92	73	92	--	8.3
					75-06-23	--	92	73	92	--	8.4
61 10 44	149 55 13	01	SB01300436BBDB013	1790	74-10-07	1045	318	219	316	--	15
61 11 06	149 52 28	01	SB01300330DBDD030	1279	74-10-15	1500	261	261	--	330	13
61 11 06	149 52 28	02	SB01300330DBDD030	2020	75-04-11	1000	270	232	268	--	12
61 11 36	149 53 46	01	SB01300425AADA014	1742	74-10-07	1000	297	227	297	--	15
61 11 46	149 49 23	02	SB01300321CDDC001	1606	74-10-07	0920	279	250	279	--	14
					75-06-23	--	279	250	279	--	14
61 12 32	149 50 58	01	SB01300320ABBC001	163	74-10-07	1445	350	295	350	--	14
					75-06-23	1200	350	295	350	--	13
61 12 52	149 49 18	02	SB01300316CADD0[illegible]1	1551	74-10-07	0845	311	189	305	--	13
					75-08-25	1000	311	189	305	--	13
61 13 13	149 51 04	02	SB01300317BDAA001	1555	74-10-07	1545	220	160	205	--	13
					75-06-23	--	220	160	205	--	13
61 13 31	149 49 29	01	SB01300309CDDC001	1467	74-10-07	1520	329	269	322	--	14
					75-06-23	--	329	269	322	--	12
61 13 46	149 43 09	01	SB01300312DADD004	1493	74-10-07	1245	143	97	142	--	13
					75-06-23	--	143	97	1[illegible]2	--	13

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
61 10 33	149 43 02	01	74-10-07	--	40	--	0	21	3.4	1.6	.5	61
			75-06-23	--	0	--	0	24	3.4	2.4	.4	73
61 10 44	149 55 13	01	74-10-07	--	40	--	30	32	9.3	3.9	.9	146
61 11 06	149 52 28	01	74-10-15	--	280	--	70	27	7.1	3.6	1.1	124
61 11 06	149 52 28	02	75-04-11	0	10	0	0	29	7.7	3.5	1.2	128
61 11 36	149 53 46	01	74-10-07	--	40	--	100	29	9.8	4.0	.8	139
61 11 46	149 49 23	02	74-10-07	--	10	--	60	23	9.0	8.9	1.3	126
			75-06-23	--	0	--	150	22	9.1	8.6	1.1	128
61 12 32	149 50 58	01	74-10-07	--	10	--	150	22	7.7	7.2	.9	106
			75-06-23	--	40	--	160	19	6.4	6.4	.7	102
61 12 52	149 49 18	02	74-10-07	--	20	--	110	23	9.0	9.2	1.4	134
			75-08-25	--	30	--	90	20	1[illegible]	9.3	1.3	132
61 13 13	149 51 04	02	74-10-07	--	50	--	40	26	8.8	17	1.6	148
			75-06-23	--	20	--	80	27	9.9	16	1.8	146
61 13 31	149 49 29	01	74-10-07	--	20	--	0	29	7.8	3.8	.6	124
			75-06-23	--	0	--	5	30	7.4	4.2	.7	120
61 13 46	149 43 09	01	74-10-07	--	10	--	0	38	7.3	2.9	.9	137
			75-06-23	--	0	--	0	35	7.0	3.1	.7	141

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ANCHORAGE CITY WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
61 10 33	149 43 02	01	74-10-07	--	16	.5	.0	.33	.01	--	83	66
			75-06-23	--	16	1.0	.0	.44	.26	--	95	74
61 10 44	149 55 13	01	74-10-07	--	8.2	1.5	.1	.02	.02	--	143	120
61 11 06	149 52 28	01	74-10-15	--	6.5	1.5	.1	.16	.01	--	122	97
61 11 06	149 52 28	02	75-04-11	0	6.7	1.4	.0	.15	.00	123	125	100
61 11 36	149 53 46	01	74-10-07	--	7.0	2.4	.1	.05	.03	--	130	110
61 11 46	149 49 23	02	74-10-07	--	5.2	1.8	.2	.19	.04	--	127	95
			75-06-23	--	4.3	1.8	.2	.07	1.0	--	128	92
61 12 32	149 50 58	01	74-10-07	--	5.7	1.6	.1	.03	.04	--	112	87
			75-06-23	--	5.5	1.3	.1	.11	.06	--	104	74
61 12 52	149 49 18	02	74-10-07	--	6.7	1.4	.1	.03	.04	--	130	95
			75-08-25	0	6.4	1.5	.1	.03	.03	--	128	95
61 13 13	149 51 04	02	74-10-07	--	13	4.2	.1	.01	.05	--	157	100
			75-06-23	--	13	4.7	.1	.03	.06	--	158	110
61 13 31	149 49 29	01	74-10-07	--	9.7	1.5	.7	.18	.02	--	129	100
			75-06-23	--	9.2	1.9	.8	.18	.01	--	126	110
61 13 46	149 43 09	01	74-10-07	--	13	1.9	.1	.43	.01	--	147	130
			75-06-23	--	13	2.0	.1	.48	.01	--	146	120

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
61 10 33	149 43 02	01	74-10-07	16	137	--	--	0	--	--	.0
			75-06-23	14	156	--	--	3	--	--	--
61 10 44	149 55 13	01	74-10-07	0	242	--	--	2	--	--	.0
61 11 06	149 52 28	01	74-10-15	0	180	8.2	3.5	3	1.3	.0	.0
61 11 06	149 52 28	02	75-04-11	0	200	7.8	2.0	0	3.2	--	--
61 11 36	149 53 46	01	74-10-07	0	234	--	--	2	--	--	.0
61 11 46	149 49 23	02	74-10-07	0	211	--	--	0	--	--	.0
			75-06-23	0	209	--	--	5	--	--	--
61 12 32	149 50 58	01	74-10-07	0	177	--	--	2	--	--	.0
			75-06-23	0	161	--	--	3	--	--	--
61 12 52	149 49 18	02	74-10-07	0	223	--	--	2	--	--	.0
			75-08-25	0	217	8.2	--	1	1.3	--	.0
61 13 13	149 51 04	02	74-10-07	0	265	--	--	0	--	--	.0
			75-06-23	0	264	--	--	4	--	--	--
61 13 31	149 49 29	01	74-10-07	3	217	--	--	0	--	--	.0
			75-06-23	7	215	--	--	4	--	--	--
61 13 46	149 43 09	01	74-10-07	13	283	--	--	3	--	--	.0
			75-06-23	1	292	--	--	5	--	--	--

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ANCHORAGE CITY WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TIME	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)
61 10 33	149 43 02	01	74-10-07	1200	--	--	0	--	0	--	0	--
			75-06-23	--	--	--	0	--	0	--	0	--
61 10 44	149 55 13	01	74-10-07	1045	--	--	2	--	0	--	0	--
61 11 06	149 52 28	01	74-10-15	1500	--	--	0	--	0	--	0	--
61 11 06	149 52 28	02	75-04-11	1000	100	1	--	<100	--	<10	--	0
61 11 36	149 53 46	01	74-10-07	1000	--	--	1	--	0	--	0	--
61 11 46	149 49 23	02	74-10-07	0920	--	--	2	--	0	--	0	--
			75-06-23	--	--	--	2	--	0	--	0	--
61 12 32	149 50 56	01	74-10-07	1445	--	--	1	--	0	--	0	--
			75-06-23	1200	--	--	1	--	0	--	0	--
61 12 52	149 49 10	02	74-10-07	0845	--	--	4	--	0	--	0	--
			75-08-25	1000	--	--	2	--	<200	--	0	--
61 13 13	149 51 04	02	74-10-07	1545	--	--	11	--	0	--	0	--
			75-06-23	--	--	--	10	--	0	--	0	--
61 13 31	149 49 29	01	74-10-07	1520	--	--	0	--	0	--	1	--
			75-06-23	--	--	--	0	--	0	--	0	--
61 13 46	149 43 09	01	74-10-07	1245	--	--	2	--	0	--	0	--
			75-06-23	--	--	--	1	--	0	--	0	--

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)
61 10 33	149 43 02	01	74-10-07	0	--	6	--	3	--	--	--	--
			75-06-23	0	--	9	--	1	--	--	--	--
61 10 44	149 55 13	01	74-10-07	0	--	1	--	2	--	--	--	--
61 11 06	149 52 28	01	74-10-15	0	--	3	--	0	--	--	--	--
61 11 06	149 52 28	02	75-04-11	--	25	--	<100	--	.2	0	<50	0
61 11 36	149 53 46	01	74-10-07	0	--	7	--	7	--	--	--	--
61 11 46	149 49 23	02	74-10-07	0	--	4	--	0	--	--	--	--
			75-06-23	0	--	1	--	0	--	--	--	--
61 12 32	149 50 56	01	74-10-07	0	--	15	--	2	--	--	--	--
			75-06-23	0	--	1	--	0	--	--	--	--
61 12 52	149 49 10	02	74-10-07	0	--	3	--	2	--	--	--	--
			75-08-25	10	--	5	--	2	--	--	--	--
61 13 13	149 51 04	02	74-10-07	0	--	9	--	1	--	--	--	--
			75-06-23	0	--	2	--	2	--	--	--	--
61 13 31	149 49 29	01	74-10-07	0	--	7	--	2	--	--	--	--
			75-06-23	0	--	10	--	3	--	--	--	--
61 13 46	149 43 09	01	74-10-07	0	--	0	--	1	--	--	--	--
			75-06-23	0	--	6	--	1	--	--	--	--

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
61 10 33	149 43 02	01	74-10-07	0	--	0	--	50
			75-06-23	0	--	0	--	30
61 10 44	149 55 13	01	74-10-07	0	--	0	--	0
61 11 06	149 52 28	01	74-10-15	0	--	0	--	90
61 11 06	149 52 28	02	75-04-11	--	<10	--	20	--
61 11 36	149 53 46	01	74-10-07	0	--	0	--	20
61 11 46	149 49 23	02	74-10-07	0	--	0	--	0
			75-06-23	0	--	0	--	4
61 12 32	149 50 56	01	74-10-07	0	--	0	--	0
			75-06-23	0	--	0	--	2
61 12 52	149 49 10	02	74-10-07	0	--	1	--	10
			75-08-25	0	--	0	--	10
61 13 13	149 51 04	02	74-10-07	0	--	0	--	0
			75-06-23	0	--	0	--	2
61 13 31	149 49 29	01	74-10-07	0	--	0	--	0
			75-06-23	0	--	0	--	0
61 13 46	149 43 09	01	74-10-07	0	--	0	--	10
			75-06-23	0	--	0	--	10

ANCHORAGE COMMUNITY SUPPLY WELLS

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)	DIS-SOLVED SILICA (SIO2) (MG/L)
61 06 11	149 50 47	01	SB01200329ACCB017	1308	75-03-25	0920	228	--	--	--	18
61 07 49	149 56 07	01	SB01200414CAAA011	1436	75-03-25	0840	486	--	--	--	14
61 08 43	149 55 56	01	SB01200411DBBC013	1432	75-03-25	0810	542	--	--	--	15
61 08 45	149 46 46	01	SB01200310DDBC001	1538	75-03-25	0950	--	--	--	--	14
61 09 11	149 52 16	01	SB01200306DCDD012	1100	75-03-25	1020	146	--	--	--	13
61 09 37	149 53 47	01	SB01200401ADCC006	1391	75-03-26	1345	282	--	--	--	--
61 10 38	149 54 28	01	SB01300436ACBA014	1791	75-03-26	1400	435	243	435	--	--
61 11 01	149 42 53	01	SB01300230CCBC003	2042	75-03-25	1140	180	70	75	--	11
61 12 19	149 50 35	01	SB01300320ADBC030	2369	74-10-18	1320	102	--	--	--	--
					75-04-10	1420	102	--	--	--	--
61 12 26	149 45 16	01	SB01300323ABDD012	1623	75-03-25	1205	390	96	290	--	12
61 14 16	149 47 51	01	SB01300310BABC031	2712	75-08-13	1000	57	54	57	24	8.8
61 14 16	149 48 36	01	SB01300309AAAC022	2718	75-08-13	1300	37	34	37	E3.0	9.3

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
61 06 11	149 50 47	01	75-03-25	--	10	--	210	37	10	5.3	1.8	171
61 07 49	149 56 07	01	75-03-25	--	10	--	80	29	5.6	11	1.2	132
61 08 43	149 55 56	01	75-03-25	--	70	--	120	34	7.0	7.7	1.4	144
61 08 45	149 46 46	01	75-03-25	--	10	--	0	34	8.6	4.1	1.7	144
61 09 11	149 52 16	01	75-03-25	--	30	--	160	33	8.9	3.7	1.3	147
61 09 37	149 53 47	01	75-03-26	380	--	110	--	--	--	5.5	--	150
61 10 38	149 54 28	01	75-03-26	410	--	90	--	--	--	4.5	--	155
61 11 01	149 42 53	01	75-03-25	--	10	--	0	26	4.2	2.1	.8	84
61 12 19	149 50 35	01	74-10-18	--	360	--	140	--	--	11	--	168
			75-04-10	--	30	--	150	--	--	12	--	174
61 12 26	149 45 16	01	75-03-25	--	0	--	40	36	8.1	6.1	1.4	145
61 14 16	149 47 51	01	75-08-13	--	40	--	0	34	4.9	2.1	.6	107
61 14 16	149 48 36	01	75-08-13	--	20	--	30	48	6.1	2.8	.7	147

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
61 06 11	149 50 47	01	75-03-25	--	4.7	2.5	.2	--	--	.01	.13	--
61 07 49	149 56 07	01	75-03-25	--	8.1	4.5	.2	--	--	.02	.06	--
61 08 43	149 55 56	01	75-03-25	--	5.8	1.8	.1	--	--	.01	.07	--
61 08 45	149 46 46	01	75-03-25	--	7.7	1.8	.1	--	--	.09	.05	--
61 09 11	149 52 16	01	75-03-25	--	7.8	1.7	.1	--	--	.01	.01	--
61 09 37	149 53 47	01	75-03-26	0	2.7	1.8	--	--	--	.01	--	--
61 10 38	149 54 28	01	75-03-26	0	6.7	1.9	--	--	--	.00	--	--
61 11 01	149 42 53	01	75-03-25	--	15	1.3	.0	--	--	.[illegible]	.00	--
61 12 19	149 50 35	01	74-10-18	--	--	7.6	--	--	--	.11	--	--
			75-04-10	--	--	4.1	--	.02	.00	.02	--	--
61 12 26	149 45 16	01	75-03-25	--	12	3.8	.1	--	--	.01	.03	--
61 14 16	149 47 51	01	75-08-13	0	19	1.8	.1	--	--	.22	.01	135
61 14 16	149 48 36	01	75-08-13	0	21	2.5	.1	--	--	.11	.00	179

ANCHORAGE COMMUNITY SUPPLY WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)
61 06 11	149 50 47	01	75-03-25	164	130	0	273	--	--	3	--
61 07 49	149 56 07	01	75-03-25	139	95	0	231	--	--	0	--
61 08 43	149 55 56	01	75-03-25	144	110	0	240	--	--	0	--
61 08 45	149 46 46	01	75-03-25	144	120	2	248	--	--	3	--
61 09 11	149 52 16	01	75-03-25	142	120	0	245	--	--	2	--
61 09 37	149 53 47	01	75-03-26	--	--	--	265	7.3	2.5	--	--
61 10 38	149 54 28	01	75-03-26	--	--	--	285	7.3	3.0	--	--
61 11 01	149 42 53	01	75-03-25	104	82	13	175	--	--	0	--
61 12 19	149 50 35	01	74-10-18	--	--	--	340	8.2	4.5	--	--
			75-04-10	--	--	--	250	8.3	--	--	--
61 12 26	149 45 16	01	75-03-25	151	120	4	260	--	--	3	--
61 14 16	149 47 51	01	75-08-13	125	110	22	200	7.1	4.0	2	7.5
61 14 16	149 48 36	01	75-08-13	163	150	29	305	7.4	7.0	4	--

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
61 06 11	149 50 47	01	75-03-25	--	--	--	.0
61 07 49	149 56 07	01	75-03-25	--	--	--	.0
61 08 43	149 55 56	01	75-03-25	--	--	--	.0
61 08 45	149 46 46	01	75-03-25	--	--	--	.1
61 09 11	149 52 16	01	75-03-25	--	--	--	.0
61 09 37	149 53 47	01	75-03-26	12	2.3	--	--
61 10 38	149 54 28	01	75-03-26	12	1.0	--	--
61 11 01	149 42 53	01	75-03-25	--	--	--	.1
61 12 19	149 50 35	01	74-10-18	1.7	--	3.5	--
			75-04-10	1.4	--	--	--
61 12 26	149 45 16	01	75-03-25	--	--	--	.0
61 14 16	149 47 51	01	75-08-13	14	--	--	--
61 14 16	149 48 36	01	75-08-13	9.4	--	--	--

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)
61 06 11	149 50 47	01	75-03-25	0920	4	0	0	0	--	0	0	0
61 07 49	149 56 07	01	75-03-25	0840	14	0	0	0	--	1	0	0
61 08 43	149 55 56	01	75-03-25	0810	3	0	0	0	--	42	12	0
61 08 45	149 46 46	01	75-03-25	0950	1	0	0	0	--	0	0	0
61 09 11	149 52 16	01	75-03-25	1020	2	0	0	0	--	1	0	0
61 11 01	149 42 53	01	75-03-25	1140	0	0	0	0	--	3	0	0
61 12 19	149 50 35	01	74-10-18	1320	18	--	--	--	--	--	--	--
			75-04-10	1420	14	--	--	--	--	--	--	0
61 12 26	149 45 16	01	75-03-25	1205	3	0	0	0	--	1	0	0
61 14 16	149 47 51	01	75-08-13	1600	--	--	--	--	<10	1	--	--
61 14 16	149 48 36	01	75-08-13	1300	--	--	--	--	<10	2	--	--

ANCHORAGE COMMUNITY SUPPLY WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
61 06 11	149 50 47	01	75-03-25	0	--	10
61 07 49	149 56 07	01	75-03-25	0	--	20
61 08 43	149 55 56	01	75-03-25	0	--	110
61 08 45	149 46 46	01	75-03-25	0	--	20
61 09 11	149 52 16	01	75-03-25	0	--	10
61 11 01	149 42 53	01	75-03-25	0	--	10
61 12 19	149 50 35	01	74-10-10	--	--	--
			75-04-10	--	--	--
61 12 26	149 45 16	01	75-03-25	0	--	10
61 14 16	149 47 51	01	75-08-13	--	20	--
61 14 16	149 48 36	01	75-08-13	--	30	--

ELMENDORF AIR FORCE BASE SANITARY LANDFILL WELLS

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)
61 14 31	149 46 09	01	SB01300302CCAA003	2147	75-04-17	1330	* 41	28	24	27	1.5
					75-07-17	1300	41	28	24	27	8.0
61 14 33	149 46 02	01	SB01300302CACD002	2146	75-07-17	1100	41	53	48	52	8.0

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
61 14 31	149 46 09	01	75-04-17	--	5400	1400	80	50	--	--	3.6	--
			75-07-17	8.5	310	110	0	0	23	4.2	3.4	.3
61 14 33	149 45 02	01	75-07-17	8.3	1100	90	20	0	2[illegible]	3.2	2.8	.3

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)
61 14 31	149 46 09	01	75-04-17	105	0	--	1.1	--	.23	.01	.24	--
			75-07-17	79	0	16	1.8	.2	--	--	.51	.46
61 14 33	149 46 02	0.	75-07-17	59	0	16	1.4	.1	--	--	.37	.25

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
61 14 31	149 46 09	01	75-04-17	--	--	--	--	--	--	--	180	6.5
			75-07-17	.06	.02	.08	103	99	75	10	190	6.5
61 14 33	149 46 02	01	75-07-17	.08	.08	.01	88	87	73	25	160	6.4

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
61 14 31	149 46 09	01	75-04-17	5.5	--	53	.7
			75-07-17	6.0	5	40	2.7
61 14 33	149 46 02	01	75-07-17	6.0	3	30	.8

* Municipal and domestic waste

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ELMENDORF AIR FORCE BASE SANITARY LANDFILL WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
61 14 31	149 46 09	01	75-04-17	1330	1	0	0	--
			75-07-17	1300	0	0	0	30
61 14 33	149 46 02	01	75-07-17	1100	0	1	0	30

ANCHORAGE CITY SANITARY LANDFILL WELLS

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)
61 12 43	149 50 07	01	SB01300316CCBC006	2371	74-10-16	1330	* 41	95	--	--	7.0
					75-04-09	1413	41	95	--	--	7.0
					75-04-09	1420	41	95	--	--	--
					75-04-09	1425	41	95	--	--	--
					75-04-09	1513	41	95	--	--	7.9
					75-04-09	1520	41	95	--	--	--
					75-04-09	1525	41	95	--	--	--
61 12 43	149 50 07	02	SB01300316CCBC006	2372	74-10-17	1050	41	70	--	--	4.0
					75-04-09	1330	41	70	70	--	2.0
61 12 43	149 50 07	03	SB01300316CCBC006	2373	74-10-17	1325	41	17	13	17	5.0
					75-04-10	0940	41	17	13	17	5.0

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
61 12 43	149 50 07	01	74-10-16	--	100	--	140	--	--	24	--	151
			75-04-09	--	--	--	--	--	--	--	--	184
			75-04-09	--	--	--	--	--	--	--	--	--
			75-04-09	--	--	--	--	--	--	--	--	--
			75-04-09	--	90	--	160	--	--	25	--	184
			75-04-09	--	--	--	--	--	--	--	--	--
			75-04-09	--	--	--	--	--	--	--	--	--
61 12 43	149 50 07	02	74-10-17	--	80	--	130	--	--	23	--	152
			75-04-09	--	10	--	140	--	--	24	--	152
61 12 43	149 50 07	03	74-10-17	--	79000	--	31000	--	--	440	--	--
			75-04-10	90000	67000	30000	26000	460	100	420	47	1060

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
61 12 43	149 50 07	01	74-10-16	--	3.4	--	--	.00	--	--	220	7.4
			75-04-09	--	--	--	--	--	--	--	200	8.5
			75-04-09	--	--	--	--	--	--	--	200	8.5
			75-04-09	--	--	--	--	--	--	--	200	8.5
			75-04-09	--	3.9	.01	.00	.01	--	--	275	8.1
			75-04-09	--	--	--	--	--	--	--	275	8.1
			75-04-09	--	--	--	--	--	--	--	275	8.1
61 12 43	149 50 07	02	74-10-17	--	2.8	--	--	.00	--	--	230	8.1
			75-04-09	--	2.7	.01	.00	.01	--	--	265	7.9
61 12 43	149 50 07	03	74-10-17	--	600	--	--	.00	--	--	--	6.7
			75-04-10	22	860	.00	.00	.00	1600	35	4000	6.7

* Municipal and industrial waste

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ANCHORAGE CITY SANITARY LANDFILL WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
61 12 43	149 50 07	01	74-10-16	3.0	9.6	--	2.4
			75-04-09	3.0	.9	--	--
			75-04-09	3.0	--	--	--
			75-04-09	3.0	--	--	--
			75-04-09	3.0	2.1	2.0	--
			75-04-09	3.0	--	--	--
			75-04-09	3.0	--	--	--
61 12 43	149 50 07	02	74-10-17	3.0	1.9	--	5.0
			75-04-09	3.5	3.1	1.6	--
61 12 43	149 50 07	03	74-10-17	7.0	--	230	230
			75-04-10	5.5	594	210	--

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
61 12 43	149 50 07	01	74-10-16	1330	--	45	--	--	--
			75-04-09	1413	46	21	--	--	--
			75-04-09	1420	--	21	--	--	--
			75-04-09	1425	--	24	--	--	--
			75-04-09	1513	--	36	--	0	--
			75-04-09	1520	--	37	--	--	--
			75-04-09	1525	--	33	--	--	--
61 12 43	149 50 07	02	74-10-17	1050	--	35	--	--	--
			75-04-09	1330	46	43	--	0	--
61 12 43	149 50 07	03	74-10-17	1325	85	--	--	--	--
			75-04-10	0940	--	--	0	0	50

ANCHORAGE BOROUGH SANITARY LANDFILL WELLS

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)
61 10 02	149 55 38	01	SB01300436CCCD038	2139	74-10-08	1330	* 41	17	12	17	5.0
					75-03-27	0930	41	17	12	17	5.0
61 10 05	149 54 48	01	SB01300436DDBD032	2131	74-10-08	0850	41	18	--	--	5.0
					75-03-25	0830	41	18	13	18	4.3
61 10 06	149 55 18	01	SB01300436CDBD034	2133	74-10-08	1000	41	18	--	--	5.0
					75-03-25	1130	41	18	13	18	4.0
61 10 07	149 55 42	01	SB01300436DCAB033	2132	75-03-25	0900	41	18	13	18	3.0
61 10 13	149 55 08	01	SB01300436CAAA036	2135	75-03-26	0930	41	46	38	46	5.0
61 10 13	149 55 11	01	SB01300436CCAA040	2365	74-10-09	0900	41	145	--	--	4.0
					75-03-26	1030	41	145	--	--	5.0
61 10 13	149 55 16	01	SB01300436CADD035	2134	75-03-26	0900	41	29	24	27	4.0
61 10 15	149 55 33	01	SB01300435ADDD019	2136	74-10-08	1420	41	18	--	--	--
61 10 17	149 55 52	01	SB01300435ACDB020	2137	74-10-08	1300	41	23	15	23	5.0
					75-03-27	0900	41	23	15	23	5.0
61 10 24	149 55 29	01	SB01300436BBCB037	2138	74-10-08	1400	41	28	20	28	5.0
					75-03-27	1100	41	28	20	28	5.0

* Municipal and industrial waste

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTH-CENTRAL ALASKA--Continued

ANCHORAGE BOROUGH SANITARY LANDFILL WELLS--Continued

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
61 10 02	149 55 38	01	74-10-08	6600	540	4.8	214	--	--	2.8	.00	.00
			75-03-27	5500	470	4.9	260	0	1.5	3.0	--	--
61 10 05	149 54 48	01	74-10-08	8700	670	3.0	182	--	--	5.0	.00	.00
			75-03-25	12000	620	2.9	200	0	13	7.6	--	--
61 10 06	149 55 18	01	74-10-08	340000	7700	--	2320	--	--	380	--	--
			75-03-25	490000	6200	--	1980	0	--	--	--	--
61 10 07	149 55 42	01	75-03-25	67000	1600	7.1	320	0	.9	12	--	--
61 10 13	149 55 08	01	75-03-26	260000	9200	110	1560	0	2.3	91	--	--
61 10 13	149 55 11	01	74-10-09	2100	140	8.8	157	0	--	2.3	.01	.00
			75-03-26	5900	70	8.9	80	30	4.5	2.0	--	--
61 10 13	149 55 16	01	75-03-26	180000	9200	110	1330	0	2.7	150	--	--
61 10 15	149 55 33	01	74-10-08	55000	670	110	872	--	--	160	.01	.00
61 10 17	149 55 52	01	74-10-08	4600	170	2.1	22	--	--	3.1	.19	.00
			75-03-27	18000	140	2.0	35	0	12	2.3	--	--
61 10 24	149 55 29	01	74-10-08	68000	1700	21	216	--	--	110	.05	.00
			75-03-27	110000	2000	33	210	0	9.2	170	--	--

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
61 10 02	149 55 38	01	74-10-08	--	.00	354	7.0	1.5	34	8.2
			75-03-27	--	.01	400	7.1	1.0	33	8.4
61 10 05	149 54 48	01	74-10-08	--	.00	307	6.9	1.0	37	--
			75-03-25	--	.01	375	7.2	1.0	20	4.3
61 10 06	149 55 18	01	74-10-08	--	--	5850	6.2	7.0	2340	2500
			75-03-25	.03	--	4100	6.1	4.0	2520	80
61 10 07	149 55 42	01	75-03-25	--	.05	730	6.7	2.5	102	70
61 10 13	149 55 08	01	75-03-26	--	.10	2500	6.7	2.5	498	600
61 10 13	149 55 11	01	74-10-09	--	.01	229	8.4	2.0	1.0	2.0
			75-03-26	--	--	200	9.4	2.0	.1	6.3
61 10 13	149 55 16	01	75-03-26	--	.02	2500	6.3	2.0	1070	800
61 10 15	149 55 33	01	74-10-08	--	.01	1640	6.6	3.0	350	45
61 10 17	149 55 52	01	74-10-08	--	.19	79	6.0	3.0	35	2.2
			75-03-27	--	.00	90	6.5	2.5	18	3.7
61 10 24	149 55 29	01	74-10-08	--	.05	515	6.6	4.5	87	14
			75-03-27	--	.21	545	6.2	4.0	212	16

LAT-I-TUDE	LONG-I-TUDE	DATE OF SAMPLE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
61 10 06	149 55 18	74-10-08	1000	.00	.0	.03	.00	.00	.00	.00	.00	.00

LAT

LAT-I-TUDE	LONG-I-TUDE	DATE OF SAMPLE	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOX-APHENE (UG/L)
61 10 06	149 55 18	74-10-08	.00	.0	0

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)
61 10 13	149 55 11	01	75-03-26	1030	0

STANDARD CAMP WELL AT BELUGA

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)	DIS-SOLVED SILICA (SIO2) (MG/L)
61 10 40	151 02 15	01	SB01301034ABCA001	20061	75-06-12	0930	133	123	133	25	32

DATE OF SAMPLE	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-06-12	420	70	8.6	3.9	67	3.4	219	0	1.6	3.8	.5	.02

DATE OF SAMPLE	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
75-06-12	.78	232	38	0	325	8.1	4.5	19	2.8

DATE OF SAMPLE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
75-06-12	0930	12	0	200	0	0	0	4	0	0	70

TRADING BAY WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)
60 48 56	151 46 58	01	SB00801405BCAC003	20086	75-06-12	1200	8	172	152	172	120

DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
75-06-12	35	150	100	8.6	13	38	7.0	153	0	1.9	31	.2

DATE OF SAMPLE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
75-06-12	.04	.43	212	75	0	325	8.3	5.5	17	1.2

DATE OF SAMPLE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
75-06-12	1200	0	0	130	0	10	1	2	1	0	10

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHWEST ALASKA

CAPE NEWENHAM GALLERY

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	INSTAN-TANEOUS FLOW RATE (GPM)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
58 38 39	162 03 16	01	SC01807706DBCA001	80055	75-06-17	1400	25	6.0	160	5	2.9

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
75-06-17	1.5	5.1	.4	6	3.5	8.8	.0	.07	.01	33	32	13

DATE OF SAMPLE	NON-CAR-BONATE HARD-NESS (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
75-06-17	9	4

CAPE NEWENHAM WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	INSTAN-TANEOUS FLOW RATE (GPM)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
58 38 30	162 03 30	01	SC01807706CDAA002	80067	75-06-17	1100	99	15	17	60	10

DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
75-06-17	3.2	6.1	6.6	.5	31	3.9	12	.0	.05	.03	62	65

DATE OF SAMPLE	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
75-06-17	33	8	7

LOWER KALSKAG WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)
61 30 45	160 21 30	01	SB01606202BBBD001	80016	75-02-03	--	46	41	46	22	510

DATE OF SAMPLE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
75-02-03	2200	32	6.0	2.5	1.9	135	3.0	2.3	.1	.04	.01	132

LOWER KALSKAG WELL--Continued

DATE OF SAMPLE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
75-02-03	139	100	0	223	1.0	10

TULUKSAK WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
61 06 05	160 57 30	02	SB01106627DABB002	80064	75-02-03	--	25	43000	2900	31	5.6

DATE OF SAMPLE	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
75-02-03	3.1	1.6	131	.7	2.0	.1	.01	.02	132	180	100	0

DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)
75-02-03	221	20

AKIAK WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)
60 54 39	161 13 00	02	SB01006732CBCC001	80066	75-02-03	--	33	13	6900	690	80

DATE OF SAMPLE	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
75-02-03	10	13	3.2	245	17	7.0	.1	1.5	.00	255	279	240

DATE OF SAMPLE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)
75-02-03	40	419	3

SOUTHWEST ALASKA--Continued

AKIACHAK WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
60 54 37	161 25 57	01	SB01006936DCAA001	80060	75-01-30	--	37	79000	2000	45	6.9

DATE OF SAMPLE	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
75-01-30	3.8	1.8	194	39	2.2	.0	.01	.01	210	313	140	0

DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED ARSENIC (AS) (UG/L)
75-01-30	312	1.5	20	90

KWETHLUK WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
60 48 45	161 25 50	01	SB00806905CAAD001	80029	75-01-29	--	135	43	18000	430	49

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
75-01-29	14	28	2.3	270	17	1.6	.1	.03	.30	275	308	180

DATE OF SAMPLE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED ARSENIC (AS) (UG/L)
75-01-29	0	438	.5	30	90

BETHEL WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
60 47 10	161 52 35	01	SB00807214BCAC001	80012	75-01-30	--	626	35	2700	110	27
					75-04-03	--	626	--	--	--	--

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
75-01-30	7.2	4.4	2.5	131	3.1	2.3	.1	.05	.25	146	150	97
75-04-03	--	--	--	--	--	--	--	--	--	--	--	--

BETHEL WELL--Continued

DATE OF SAMPLE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
75-01-30	0	214	.0	40	25	--
75-04-03	--	--	6.0	--	18	.0

OSCARVILLE WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
60 43 24	161 45 56	01	SB00707105DADD001	80063	75-01-31	--	23	43000	1400	65	11

DATE OF SAMPLE	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
75-01-31	3.8	2.9	294	1.6	2.5	.2	.12	.03	244	300	210	0

DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
75-01-31	461	3.0	200

NAPASKIAK WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)
60 42 34	161 45 35	01	SB00707109CBDC001	80047	75-01-31	--	111	30	33000	1100	92

DATE OF SAMPLE	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
75-01-31	13	13	3.9	390	1.1	3.3	.1	.01	.03	338	383	280

DATE OF SAMPLE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED ARSENIC (AS) (UG/L)
75-01-31	0	599	1.5	60	260

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SOUTHWEST ALASKA--Continued

NAPAKIAK WELL

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
60 41 38	161 58 20	01	SB00707218DDBA001	80062	75-01-30	--	105	30	2900	340	62

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
75-01-30	11	27	3.7	282	16	9.9	.1	.05	.02	291	302	200

DATE OF SAMPLE	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED ARSENIC (AS) (UG/L)
75-01-30	0	492	1.0	20	52

YUKON ALASKA

FIELDING LAKE CAMPGROUND WELL NEAR PAXSON

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	BICAR-BONATE (HCO3) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
63 11 37	145 38 47	01	FD02001109DACB001	50598	75-06-26	1815	88	190	265	8.1	1.0

DATE OF SAMPLE	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
75-06-26	2.4	<1	<1

TRIMS CAMP WELL NEAR BLACK RAPIDS

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
63 25 00	145 44 53	01	FD01701025BACC001	50595	75-06-26	1530	70	3.9	10	0	54

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
75-06-26	15	2.8	1.1	140	0	82	.9	.1	.33	.01	236	234

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

TRIMS CAMP WELL NEAR BLACK RAPIDS--Continued

DATE OF SAMPLE	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
75-06-26	200	79	388	7.9	4.0	5	3.0	<1	<1	1.3

ALYESKA PUMP STATION NO. 10 WELL NEAR BLACK RAPIDS

LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	LOCAL IDENT- I- FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)
63 25 43	145 46 10	01	FD01701023ACDC001	50596	75-06-26	1500	90	80	90	3.7	8

DATE OF SAMPLE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)
75-06-26	0	51	18	3.2	1.1	164	0	77	1.3	.1	.36	.01

DATE OF SAMPLE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
75-06-26	236	238	200	67	385	8.0	4.0	15	2.6	<1	<1	7.6

ALYESKA PUMP STATION NO. 9 WELL NEAR DELTA JUNCTION

LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	LOCAL IDENT- I- FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)
63 56 02	145 45 54	01	FD00101027BDAC001	50597	75-06-25	1400	495	465	495	6.4	10

DATE OF SAMPLE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)
75-06-25	0	37	11	5.3	3.7	135	0	48	1.5	.1	.16	.01

DATE OF SAMPLE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
75-06-25	167	180	140	27	294	8.1	2.5	15	1.7	<1	<1

DATE OF SAMPLE	TIME	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SILVER (AG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
75-06-25	1400	0	0	1	1	1	0	130

VITRO CAMP WELL NEAR USIBELLI

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
63 53 05	148 44 00	01	FC01200616ABBD001	51243	75-09-17	1500	15	6000	6500	1000	910

DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)
75-09-17	30	16	2.2	1.2	129	10	25	.6	.1	.02	.02	.04

DATE OF SAMPLE	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
75-09-17	.69	.73	.73	.75	.05	.05	.01	165	171	140	18	276

DATE OF SAMPLE	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
75-09-17	7.2	1.0	2	15

DATE OF SAMPLE	TIME	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)
75-09-17	1500	30	0	<100	<10	10	<10	<100	.0	1

DATE OF SAMPLE	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
75-09-17	<50	0	<10	360

TOTEM POLE INN WELL AT HEALY

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
63 52 08	149 01 03	01	FC01200813DDAC001	51290	75-09-17	1645	180	350	7.1	4.0

TRI VALLEY SCHOOL WELL NEAR HEALY

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)
63 52 38	149 00 08	01	FC01200818CABD001	51242	75-09-17	1345	30	13	150	70	10

TRI VALLEY SCHOOL WELL NEAR HEALY--Continued

DATE OF SAMPLE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-17	10	40	3.5	13	.7	133	0	27	.6	.1	.26	.26

DATE OF SAMPLE	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
75-09-17	.00	1.2	1.2	1.5	.00	.01	168	165	110	5	273	7.3

DATE OF SAMPLE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)
75-09-17	6.5	1	11

DATE OF SAMPLE	TIME	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)
75-09-17	1345	30	0	<100	<10	10	30	<100	.0	1

DATE OF SAMPLE	TOTAL NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
75-09-17	<50	1	<10	200

KOA CAMPGROUND WELL AT HEALY

LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	SAMPLE SOURCE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)
63 51 34	149 00 36	01	FC01200819CBAU001	51241	75-09-17	1200	30	12	0	20	10

DATE OF SAMPLE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
75-09-17	10	49	23	3.8	.9	197	0	55	.7	.1	.37	.37

DATE OF SAMPLE	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
75-09-17	.00	.63	.63	1.0	.00	.01	247	243	220	55	410	6.6

DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)
75-09-17	2	126	40	0	<100	<10	10	10	<100	.0	1

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

KOA CAMPGROUND WELL AT HEALY--Continued

DATE OF SAMPLE	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
75-09-17	<50	1	<10	180

GRAYLING WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTERVAL (FT)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)
62 54 15	160 03 40	03	SB03305734DABC001	50102	75-02-01	--	30	80	90	23	20

DATE OF SAMPLE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
75-02-01	0	8.6	2.0	4.2	1.0	35	1.8	4.2	.1	1.9	.01	91

DATE OF SAMPLE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)
75-02-01	71	30	1	85	3

SHAGELUK WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTERVAL (FT)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)
62 41 05	159 33 40	02	SB03005515DDCB001	50106	75-02-01	--	92	88	92	30	1600

DATE OF SAMPLE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
75-02-01	820	55	16	6.1	.6	265	2.5	1.6	.2	.01	.14	249

DATE OF SAMPLE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
75-02-01	246	200	0	413	2.9	30

CHEVAK WELL

LATI-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)
61 31 40	165 35 10	01	SB01709134BBAB001	50068	75-04-02	1700	187	182	187	40	1600

DATE OF SAMPLE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
75-04-02	440	22	3.9	15	2.6	100	3.6	9.4	.0	.08	.18	149

DATE OF SAMPLE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
75-04-02	149	71	0	189	.5	130

HOOPER BAY WELL

LATI-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)
61 31 56	166 05 45	01	SB01709426CACC002	50070	75-04-02	1500	194	189	194	27	410

DATE OF SAMPLE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
75-04-02	10	14	5.9	310	16	595	8.5	190	1.7	1.0	5.6	895

DATE OF SAMPLE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
75-04-02	888	59	0	1440	4.5	230

STEBBINS WELL

LATI-TUDE	LONG-I-TUDE	SEQ. NO.	LOCAL IDENT-I-FIER		DATE OF SAMPLE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
63 31 17	162 17 12	01	KC02301902CDBB001	75027	75-03-06	--	24	420	60	10	29

DATE OF SAMPLE	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
75-03-06	660	31	920	19	810	.0	.03	4.4	1860	1850	140	0

ANALYSES OF SAMPLES COLLECTED AT WELLS

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YUKON ALASKA--Continued

STEBBINS WELL--Continued

DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED ARSENIC (AS) (UG/L)
75-03-06	3420	3.0	200	2

SHELDON POINT WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DEPTH TO TOP OF SAMPLE INTERVAL (FT)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)
62 32 06	164 50 57	01	SH028085	51236	75-04-02	0830	84	73	84	26	30

DATE OF SAMPLE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
75-04-02	150	110	360	3800	160	1800	30	6200	.6	.02	4.2	14300

DATE OF SAMPLE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
75-04-02	11600	1800	280	19500	1.0	200	0	.1

NORTHWEST ALASKA

KIANA WELL

LATITUDE	LONGITUDE	SEQ. NO.	LOCAL IDENTIFIER		DATE OF SAMPLE	TIME	TOTAL DEPTH OF WELL (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)
66 58 25	160 25 20	01	KB01800809DBBD001	75011	75-03-08	--	25	9.5	20	2200	74

DATE OF SAMPLE	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)
75-03-08	25	16	3.1	365	19	7.3	.1	.14	.02	337	337	290

DATE OF SAMPLE	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED ARSENIC (AS) (UG/L)
75-03-08	0	589	5.0	3	0

SECTION 3 GROUND-WATER LEVELS

SOUTHEASTERN ALASKA

JUNEAU

582422134342001. AK 85,177. CB04006618AB001 001, U.S. Forest Service, Mendenhall Loop Road. Bored unused water-table well in sand and gravel of Quaternary age. Diam 6 in (15 cm), Depth 100 ft (30.5 m), screened 90-100 ft (27.4-30.5 m). Lsd 69 ft (21.0 m) above msl. MP base of recorder shelter, 5.00 ft (1.524 m) above lsd. Highest water level +0.35 ft (+0.107 m) Oct. 2, 1970; lowest 10.26 ft (3.127 m) Mar. 23, 1969. Records available 1967-75. Mean water level for the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	5	1.82	Jan.	15	4.40	May	5	3.09
	10	0.60		20	4.73		10	2.92
	15	0.75		25	4.59		15	2.12
	20	0.64		31	4.73		20	2.41
	25	0.07	Feb.	5	5.25		25	2.27
	31	0.60		10	5.63	July	15	3.09
Nov.	5	0.29		15	5.91		20	3.89
	10	1.56		20	6.33		25	4.16
	15	1.52		25	5.85		31	4.01
	20	1.56		28	5.86	Aug.	5	3.62
	25	2.73	Mar.	5	5.99		10	3.89
	30	3.00		10	6.35		15	3.88
Dec.	5	3.39		15	6.55		20	4.16
	10	2.96		20	6.87		25	4.02
	15	3.29		25	7.31		31	4.57
	20	3.71		31	6.84	Sept.	5	3.33
	25	3.46	Apr.	5	6.46		10	2.45
	31	3.00		10	6.04		15	1.89
				15	4.96		20	1.82
	1975			20	3.02		25	2.32
Jan.	5	2.62		25	3.45		30	1.99
	10	3.65		30	3.42			

SOUTH CENTRAL ALASKA

CORDOVA

603227145552401. AK 30,023. CC01500327BBCC1 004. City of Cordova water well No. 2. LeFevre Street near west end of Eyak Lake, Cordova. Drilled public-supply (unused) artesian well in sand and gravel of Pleistocene age. Diam 10 in (25 cm), depth 82 ft (25.0 m), backfilled to 71 ft (21.6 m), screened 48.5-71 ft (14.8-21.6 m). Lsd 32 ft (9.8 m) above msl. MP top of shelter floor, 4.00 ft (1.219 m) above lsd. Major fluctuations caused by variable pumping of nearby wells. Highest water level 8.40 ft (2.560 m) Nov. 3,4, 1974; lowest 41.22 ft (12.564 m) Mar. 25, 1975. Records available 1973-75. Highest water level for the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	5	10.36	Dec.	25	10.06	May	10	34.10
	10	9.94					15	34.00
	15	9.42		1975		June	10	9.52
	20	9.11	Mar.	5	e34.00		15	9.74
	25	8.75		10	34.00		20	13.11
	31	9.29		15	30.12		25	10.95
Nov.	5	8.94		20	33.63		30	10.70
	10	10.20		25	36.40	July	5	9.61
	15	9.12		31	34.90		10	10.44
	20	10.30	Apr.	5	35.05		15	10.16
	25	10.63		10	34.86		20	14.03
	30	9.52		15	34.79		25	14.76
Dec.	5	10.01		20	33.88	Sept.	20	8.66
	10	9.67		25	37.73		25	9.33
	15	10.05		30	33.70		30	9.38
	20	10.55	May	5	33.72			

SOUTH-CENTRAL ALASKA--Cont.

KENAI PENINSULA

594515151492201. AK 10,003. SC00501510CCAC1 001. Standard Oil Company of California. Mile 161 Old Seward Hwy. near Anchor Point. Drilled unused atresian well in sand and gravel of Quaternary age. Diam 6 in (15 cm), depth 100 ft (30.5 m), perforated liner 91-100 ft (27.7-30.5 m). Lsd 240 ft (73 m) above msl. MP slot in top of casing, 1.00 ft (0.305 m) above lsd. Highest water level 35.85 ft (10.927 m) May 31, 1963; lowest 47.89 ft (14.582 m) June 20, 1961. Records available 1962-75. Water level in feet below land surface datum.

	1974			1975				
Oct.	8	39.18	Mar.	13	39.41	July	8	38.09
Nov.	21	38.14	June	11	38.12	Aug.	6	38.22

595604151432301. AK 10,002. SC00301408BCBC1 001. U.S. Geological Survey, Happy Valley. Augered unused well in gravel of Pleistocene age. Diam 2 in (5 cm), depth 38 ft (11.6 m), screened 35-38 ft (10.7-11.6 m). Lsd 150 ft (46 m) above msl. MP topnof pipe, 3.20 ft (0.975 m) above lsd. Highest water level 6.60 ft (2.012 m) June 17, 1968; lowest 12.18 ft (3.712 m) Mar. 3, 1970. Records available 1967-75. Water level in feet below land surface datum.

	1974			1975				
Oct.	8	10.47	Mar.	13	11.15	Aug.	6	8.40
			July	8	9.52			

602926151042201. AK 10,001. SB00501029CDAC1 001. Charles S. Parker, Mt. Redoubt Way, Soldotna. Drilled unused artesian well in gravel of Pleistocene age. Diam 8 in (20 cm), depth 100 ft (30.5 m), cased to 100 ft (30.5 m), perforated 81-97 ft (24.7-29.6 m). Lsd 100 ft (30.5 m) above msl. MP hole in shelter floor at top of casing 3.00 ft (0.914 m) above lsd. Highest water level 2.38 ft (0.725 m) June 28, 1963; lowest 12.77 ft (3.892 m) Apr. 11, 1973. Records available 1963-75. Highest water level for the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	5	6.50	Feb.	10	9.14	June	10	[illegible]
	10	5.71		15	11.07		15	5.98
	15	5.31		20	11.03		20	[illegible]
	20	5.63		25	10.78		25	6.45
	25	6.09		28	11.27		30	6.53
	31	5.86	Mar.	5	11.10	July	5	5.48
Nov.	5	6.33		10	8.57		10	6.94
	10	5.51		15	9.90		15	5.33
	15	5.56		20	9.33		20	6.54
	20	6.00		25	9.33		25	5.37
	25	6.73		31	9.03		31	5.84
	30	7.44	Apr.	5	9.15	Aug.	5	6.12
Dec.	5	6.44		10	9.62		10	5.59
	10	6.55		15	9.43		15	6.76
	15	6.52		20	8.85		20	6.42
	20	6.10		25	8.83		25	5.67
	25	6.60		30	8.80		31	5.48
	31	7.24	May	5	10.50	Sept.	5	5.33
				10	6.57		10	5.27
	1975			15	6.39		15	5.41
Jan.	5	8.60		20	7.08		20	6.13
	10	8.25		25	9.18		25	5.28
	31	11.27		31	7.54		30	5.94
Feb.	5	11.32	June	5	6.37			

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SOUTH-CENTRAL ALASKA--Cont.

KENAI PENINSULA--Cont.

604036151204301. AK 10,004. SB00701223CCDB1 008. Collier Carbon & Chemical Company, Well 5B. Mile 1, Miller Loop Road, North Kenai. Drilled observation artesian well in sand and gravel of Pleistocene age. Diam 6 in (15 cm), depth 112 ft (34.1 m), screened 106-110 ft (32.3-33.5 m). Lsd 130 ft (40 m) above msl. MP top of casing, 2.00 ft (0.610 m) above lsd. Large fluctuations caused by heavy local pumping. Highest water level 46.52 ft (14.179 m) Feb. 7, 1968; lowest 61.48 ft (18.739 m) Nov. 29, 1970. Records available 1967-75. Highest water level for the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	10	58.94	Jan.	31	57.00	May	20	57.86
	15	58.80	Feb.	5	59.50		25	59.67
	20	59.22		10	58.91		31	59.86
	25	59.45		15	59.46	June	5	59.76
	31	59.52		20	59?71		10	59.55
Nov.	5	59.67		25	58.95	July	10	56.95
	10	59.16		28	59.72		15	58.29
	15	56.24	Mar.	5	59.55		20	58.90
	20	59.17		10	55.98		25	58.62
	25	59.00		15	59.55		31	58.57
	30	59.14		20	59.73	Aug.	5	55.31
Dec.	5	58.00		25	59.48		10	58.64
	10	59.81		31	59.57		15	58.62
	20	60.93	Apr.	5	59.67		20	58.65
	25	59.80		10	59.93		25	58.78
	31	59.42		15	57.16		31	59.05
				20	53.76	Sept.	5	58.77
	1975			25	53.57		10	56.98
Jan.	5	60.25		30	53.65		15	58.60
	10	59.97	May	5	53.62		20	58.92
	15	59.42		10	55.80		25	58.65
	20	59.00		15	59.16		30	57.32
	25	59.44						

ANCHORAGE

611001149534601. AK 590. SB01200401AABB1 001. U.S. Geological Survey. Arctic Blvd. at Alaska Railroad crossing. Drilled observation artesian well in sand and gravel of Pleistocene age. Diam 8 in (20 cm), depth 250.5 ft (76.35 m), cased to 247 ft (75.3 m). Lsd 105 ft (32.0 m) above msl. MP top of casing, 3.94 ft (1.201 m) above lsd. Records affected by local and regional pumping. Highest water level +8.35 ft (+2.546 m) Oct. 31, 1957; lowest 26.85 ft (8.184 m) July 6, 1974. Records available 1956-1975. Highest water level for t the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	5	22.25	Feb.	15	22.09	June	10	21.50
	10	20.38		20	21.78		15	22.02
	15	18.87		25	21.08		20	22.80
	20	18.89		28	20.45		25	23.12
	25	18.66	Mar.	5	20.20		30	23.15
	31	18.44		10	21.06	July	5	23.19
Nov.	5	19.40		15	21.47		10	22.38
	10	20.32		20	20.86		15	23.79
	15	20.60		25	20.77		20	23.63
	20	20.52		31	21.51		25	23.74-
	25	20.84	Apr.	5	22.24		31	21.76
	30	21.29		10	22.81	Aug.	5	21.82
Dec.	5	20.05		15	23.61		10	21.96
	10	19.85		20	24.30		15	22.63
	15	20.05		25	23.01		20	23.08
	20	20.71		30	21.71		25	23.16
	25	19.82	May	5	20.58		31	22.78
	31	18.55		10	20.04	Sept.	5	21.75
				15	19.77		10	20.47
	1975			20	19.88		15	19/68
Jan.	25	21.81		25	20.04		20	19.59
	31	22.52		31	20.46		25	19.34
Feb.	5	22.96	June	5	20.92		30	19.00
	10	22.87						

SOUTH-CENTRAL ALASKA--Cont.

ANCHORAGE--Cont.

611049149545101. AK 2368. SB01300436BAAC1 041. U.S. Geological Survey, Harding Drive and 45th Street, Anchorage. Drilled observation well in sand and gravel of Pleistocene age. Diam 6 in (15 cm), depth 20.5 ft (6.25 m), screened 13.5-18.5 ft (4.11-5.64 m). Lsd 88 ft (26.8 m) above msl. (levels to AK 1782, July 1975, prior to burial). MP top of casing cap 2.50 ft (0.762 m) above lsd. (0.31 ft [0094 m] above MP of well AK 1782). Recorder operated June 4-July 12, 1974. This well is a replacement for Federal Well AK 1782, which was destroyed by vandals. Highest water level 13.10 ft (3.993 m) Apr. 22, 1975; lowest 13.52 ft (4.121 m) Sept. 23, 1974. Records available 1974-75. Water level in feet below land surface datum.

	1974			1975	
Oct.	24	13.19	Apr.	22	13.10
Dec.	20	13.22	July	24	12.84

611149149553901. AK 280. SB01300423DDDB1 002. City of Anchorage. West Northern Lights Blvd. and Lahonda Drive. Drilled unused artesian well in sand and gravel of Pleistocene age. Diam 6 in (15 cm), depth 283 ft (86.3 m), screened 278-283 ft (84.7-86.3 m). MP top of casing 1.30 ft (0.396 m) above lsd. Lsd 47 ft (14.3 m) above msl. Tide effect in well about 0.2 ft (.06 m). Highest water level flowing, 1962-63; lowest 13.02 ft (3.968 m) Apr. 2, 1964. Records available 1962-75. Highest water level for the day in feet below land surface datum, from recorder graph.

	1974			1975				
Oct.	5	5.95	Mar.	25	6.31	July	5	7.73
	10	6.38		31	6.81		10	8.04
	15	6.22	Apr.	5	6.61		15	8.04
	20	6.54		10	6.64		20	88006
	25	6.34		15	7.38		25	7.90
	31	6.18		20	7.40		31	7.91
Nov.	5	6.17		25	6.96	Aug.	5	7.84
	10	5.84		30	7/04		10	7.66
	15	5.09	May	5	6.78		15	7.78
	20	5.60		10	6.69		20	7.20
	25	6.09		15	6.60		25	7.46
	30	6.66		20	6.70		31	7.33
Dec.	5	6.13		25	6.76	Sept.	5	7.09
	10	5.54		31	6.79		10	7.06
	15	5.19	June	5	6.82		15	6.84
	20	4.84		10	6.90		20	6.34
	25	4.70		15	7.16		25	6.09
	31	4.50		20	7.08		30	6.13
				25	7.05			
				30	7.22			

6113111495[illegible]401. AK 114. SB01300317BDAD1 003. City of Anchorage. 3rd and Concrete Ave, Anchorage. Drilled artesian test well in sand and gravel of Pleistocene age. Diam 8 in (20 cm), depth 230 ft (70 m), slotted 162-182 ft (49.4-55.5 m) and 190-201 ft (57.9-61.3 m). Lsd 129.3 ft((39.41 m) above msl msl. MP top of coupling on casing cap 1.80 ft (0.549 m) above lsd. Fluctuation caused by nearby pumping of municipal wells. Highest water level 28.88 ft (8.803 m) Nov. 27, 1957; lowest 126.43 ft (38.536 m) Apr. 17, 1975. Records available 1956-75. Water level in feet below land surface datum.

	1974			1975				
Oct.	24	105.14	Apr.	17	126.43	July	23	121.94
Dec.	20	110.50	Apr.	22	125.80			

SOUTH-CENTRAL ALASKA--Cont.

ANCHORAGE--Cont.

611336149454401. AK 67. SB01300311DCAD1 003. Air Force near Glenn Hwy. and Boniface Parkway. Drilled unused artesian well in sand and gravel of Pleistocene age. Diam 6 in (15 cm), depth 198 ft (60.4 m). Casing information not available. Lsd 210 ft (64 m) above msl. MP top of casing 3.90 ft (1.189 m) above lsd. Records affected by Anchorage area pumping. Recorder stolen August 1974 and not replaced until December 1974. Highest water level 14.88 ft (4.535 m) Oct. 28, 1960; lowest 34.77 ft (10.598 m) May 14-18, 1971. Records available 1959-68, 1966-75. Highest water level for the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	24	24.95	Apr.	5	31.79	June	25	25.82
Nov.	21	29.59		10	31.23		30	25.65
Dec.	20	28.76		15	31.82	July	5	25.74
	25	28.66		20	32.39		10	25.99
	31	28.59		25	32.61		15	24.79
				30	32.10		20	24.16
	1975		May	5	31.65		25	23.80
Jan.	25	28.87		10	31.88		31	24.33
	31	28.47		15	29.36	Aug.	5	24.65
Feb.	5	29.74		20	28.80		10	24.43
	10	28.44		25	28.45		15	24.67
	15	29.69		31	28.15		20	24.98
	20	28.94	June	5	27.47	Sept.	25	23.12
Mar.	25	30.84		10	27.11		30	22.66
	31	31.32		15	26.95			

611444149415401. AK 17. SB01300206DBBA1 004. U.S. Geological Survey. Arctic Valley Road, Ft. Richardson. Drilled test artesian well in sand and gravel of Pleistocene age. Diam 6 in (15 cm), depth 670 ft (204 m), cased to 134 ft (40.8 m), backfilled with gravel to 134 ft (40.8 m) and plugged, perforated 90-120 ft (27-37 m) and 130-134 ft (40-41 m). Lsd 294 ft (89.6 m) above msl. MP top of shelter floor, 1.95 ft (0.594 m) above lsd. Major fluctuations caused by large-volume pumping in Anchorage area. Highest water level 42.15 ft (12.847 m) Oct. 28, 1960; lowest 66.49 ft (20.266 m) May 15, 1971. Records available 1954-62, 1966-75. Highest water level for the day in feet below land surface datum, from recorder graph.

	1974							
Oct.	5	53.44	Feb.	10	57.40	May	31	57.37
	10	53.79		15	57.56	June	5	56.49
	15	53.20		20	58.10		10	55.65
	20	53.53		25	58.24		15	54.89
	25	53.29		28	58.88		20	54.16
	31	53.29	Mar.	5	58.90		25	53.80
Nov.	5	52.93		10	58.84		30	53.40
	10	53.14		15	59.34	July	15	54.43
	15	52.99		20	59.72		20	53.83
	20	53.89		25	60.46		25	53.35
	25	54.82		31	60.70		31	53.57
	30	55.57	Apr.	5	60.97	Aug.	5	53.40
Dec.	5	55.34		10	61.21		10	53.58
	10	55.52		15	61.67		15	53.56
	15	55.67		20	62.03		25	50.96
	20	55.72		25	61.88		31	49.97
	25	55.95		30	62.20	Sept.	5	49.55
			May	5	61.85		10	49.50
	1975			10	61.18		15	48.85
Jan.	25	56.75		15	60.06		20	47.98
	30	56.80		20	59.15		30	46.90
Feb.	5	57.43		25	58.42			
		[illegible]						

SOUTH-CENTRAL ALASKA--Cont.

MATANUSKA VALLEY

613417149065401. AK 20,004. SA01700209CCCC1 001. Glenn Woods. Srpinger Road near Palmer. Drilled unused water-table well in sand and gravel of Pleistocene age. Diam 4 in (10 cm), depth 83 ft (25.3 m), cased to 82 ft (25.0 m). Lsd 172 ft (52.4 m) above msl. MP top of casing, 0.50 ft (0.152 m) above lsd. Highest water level 69.58 ft (21.208 m) July 29, 1964; lowest 77.36 ft (23.579 m) Mar. 26, 1975. Records available 1949-75. Water level in feet below land surface datum.

	1974			1975				
Oct.	17	72.45	Jan.	27	73.48	May	27	73.39
	23	72.57	Feb.	24	73.68	July	28	71.69
Nov.	25	73.17	Mar.	26	77.36	Aug.	25	71.42
				28	74.13	Sept.	25	71.89
			Apr.	24	73.51			

613630149084302. AK 20,002. SA01800232BCCB1 002. City of Palmer. Scott Road, near Palmer. Drilled unused artesian well in sand of Quaternary age. Diam 8 in (20 cm), depth 159 ft (48.5 m), screened 139-159 ft (42.4-48.5 m). Lsd 388 ft (118.3 m) above msl. MP top of 1.5 in (3.8 cm) vertical pipe in concrete well foundation, 17.25 ft (5.258 m) below lsd. Fluctuations at times caused by nearby pumping. Highest water level 44.77 ft (13.646 m) Apr. 27, 1966; lowest 58.5 ft (17.83 m) Sept. 12, 1958, nearby well being pumped. Records available 1957-75. Water level in feet below land surface datum.

	1974			1975				
Oct.	17	48.16	Jan.	27	48.61	May	27	47.69
	23	48.14	Feb.	24	48.50	July	28	48.25
Nov.	29	48.14	Mar.	26	48.59	Aug.	25	48.09
Dec.	23	47.95	Apr.	24	48.29	Sept.	25	49.07

SUSITNA VALLEY

621923150063501. AK 20,006. SB02600524DCDC1 003. U.S. Geological Survey. Talkeetna. Augered test water-table well in sand and gravel of Pleistocene age. Diam 2 in (5 cm), depth 47 ft (14.3 m), sand point 44-47 ft (13.4-14.3 m). Lsd 345 ft (105.2 m) above msl. MP top of pipe, 2.60 ft (0.792 m) above lsd. Highest water level 3.53 ft (1.076 m) Aug. 12, 1971; lowest 9.83 ft (2.996 m) Apr. 5, 1969. Records available 1967-75. Water level in feet below land surface datum.

	1975							
Jan.	16	8.95	June	20	6.27	Aug.	21	7.31
Mar.	16	9.21	July	17	6.06	Sept.	25	6.97
Apr.	11	9.28						

YUKON ALASKA

FORT GREELY

635947145435101. AK 50,007. FD01101011BDAA1 003. U.S. Army. Fort Greely. Drilled unused water-table well in sand and gravel of Quaternary age. Diam 6 in (15 cm), original depth 230 ft (70 m), top of sediment in well about 217 ft (66 m), casing information not available. Lsd 1,300 ft (396 m) above msl. MP top of casing, 3.50 ft (1.067 m) above lsd. Highest water level 194.2 ft (59.19 m) Oct. 7, 1966; deyeat 216.7 ft (66.05 m) at various times. Records available 1966-75. Water level in feet below land surface datum.

1974			1975		
Dec.	5	201.3	Mar.	27	211.3
			Aug.	14	198.6

EIELSON AIR FORCE BASE

643916147043501. AK 50,004. FD00300314DABA1 001. U.S. Air Force Bldg. 4355 on Eielson Air Force Base. Drilled unused water-table well in sand and gravel of Quaternary age. Diam 8 in (20 cm), depth 101 ft (30.8 m), casing information not available. Lsd 540 ft (165 m) above msl. MP top of recorder base, 1.00 ft (0.305 m) above lsd. Recorder removed Aug. 5, 1975, and no measurements made during remainder of year. Highest water level 6.87 ft (2.094 m) July 27, 1967; lowest 9.90 ft (3.018 m) Nov. 11, 1969. Records available 1965-75. Highest water level for the day in feet below land surface datum, from recorder graph.

1974								
Oct.	5	9.23	Jan.	31	9.10	Apr.	10	99222
	10	9.37	Feb.	5	e 9.1	May	10	77887
	15	9.52		10	9.05		15	7.68
	20	9.61		15	9.04		20	7.82
	25	9.68		20	9.06		25	8.06
	31	9.76		25	9.08		31	8.30
Nov.	5	9.79		28	9.13	June	5	8.40
Dec.	15	e 9.4	Mar.	5	9.13		10	8.42
	20	9.41		10	e 9.1		15	8.42
	25	9.47		15	e 9.1		20	8.59
				20	e 9.0		25	8.45
1975				25	9.21		30	8.51
Jan.	20	9.14		31	9.21	July	5	8.53
	25	9.12	Apr.	5	e 9.2			

e Estimated.

YUKON ALASKA--Cont.

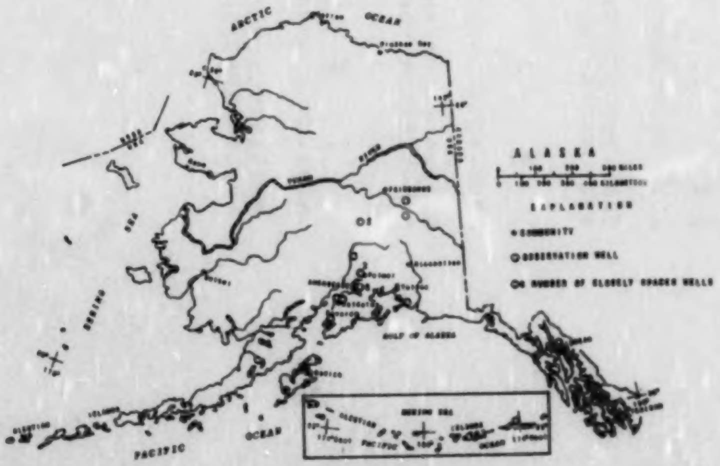
McKINLEY PARK

634355148550501. AK 50,002. FC01400704BDAB1 002. U.S. National Park Service. Near Mt. McKinley Park Hotel. Drilled unused water-table well in fractured schist of Precambrian age. Diam 8 in (20 cm), depth 234 ft (71.3 m), casing information not available. Lsd 1,753 ft (534.3 m) above msl. MP top of casing, 2.50 ft (0.762 m) above lsd. Highest water level 89.26 ft (27.206 m) Oct. 4, 1969; lowest 100.60 ft (30.663 m) June 22, 1974. Records available 1965-75. Water level in feet below land surface datum.

1975					
June	4	98.70	Sept.	25	96.39
Sept.	6	94.88			

634359148545401. AK 50,001. FC01400704ABCC1 001. U.S. National Park Service. Mt. McKinley Park Hotel. Drilled unused water-table well in fractured schist of Precambrian age. Diam 8 in (20 cm), depth 290 ft (88 m), casing information not available. Lsd 1,753 ft (534.3 m) above msl. MP top of casing 2.50 ft (0.762 m) above lsd. At times, water level affected by nearby pumping. Highest waterllevel 92.81 ft (28.288 m) July 2, 1968; lowest 109.42 ft (33.351 m) Apr. 10, 1966, nearby well being pumped. Records available 1964-75. Water level in feet below land surface datum.

1975					
June	4	107.47	Sept.	25	102.70
Sept.	6	102.76			



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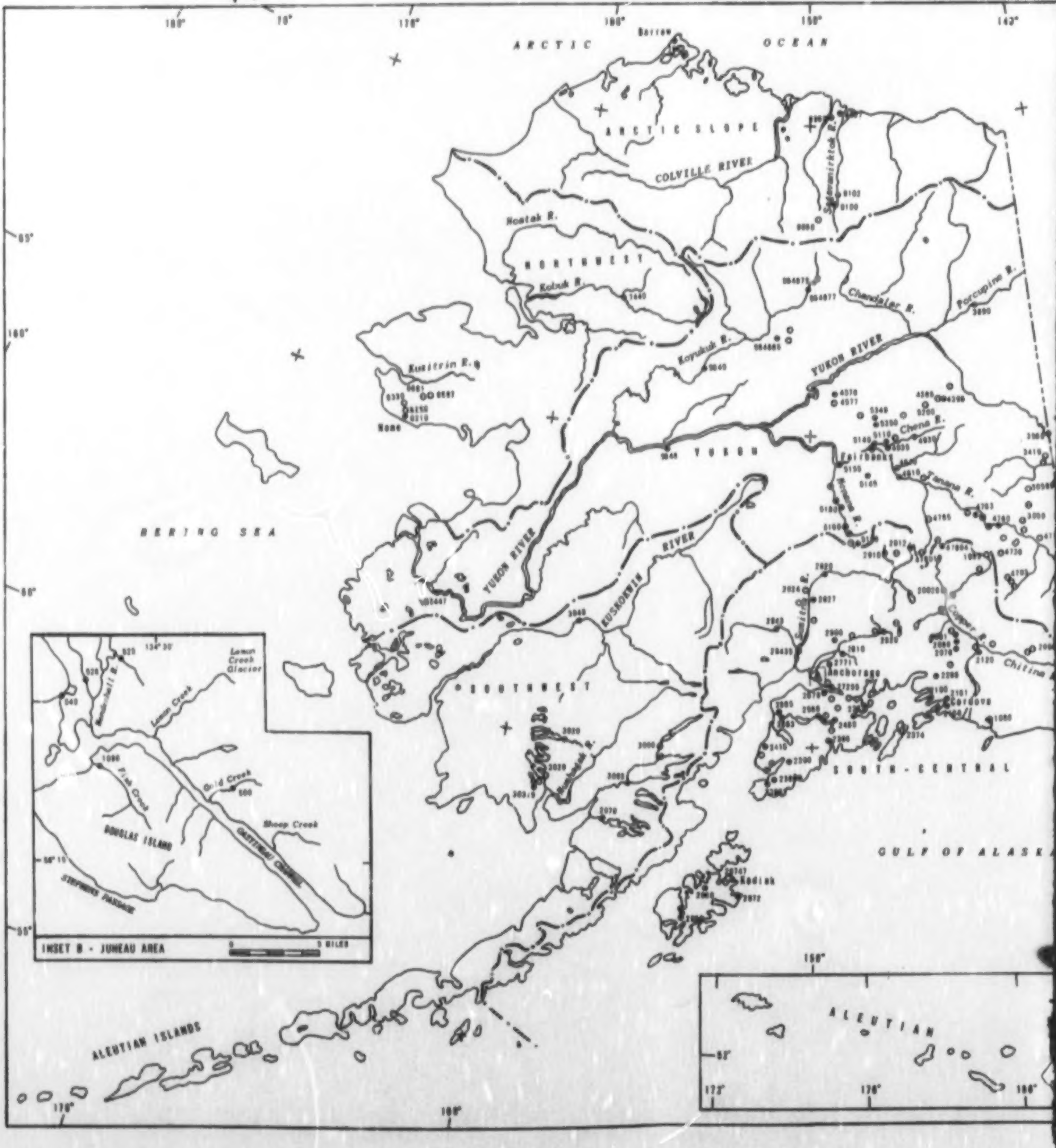
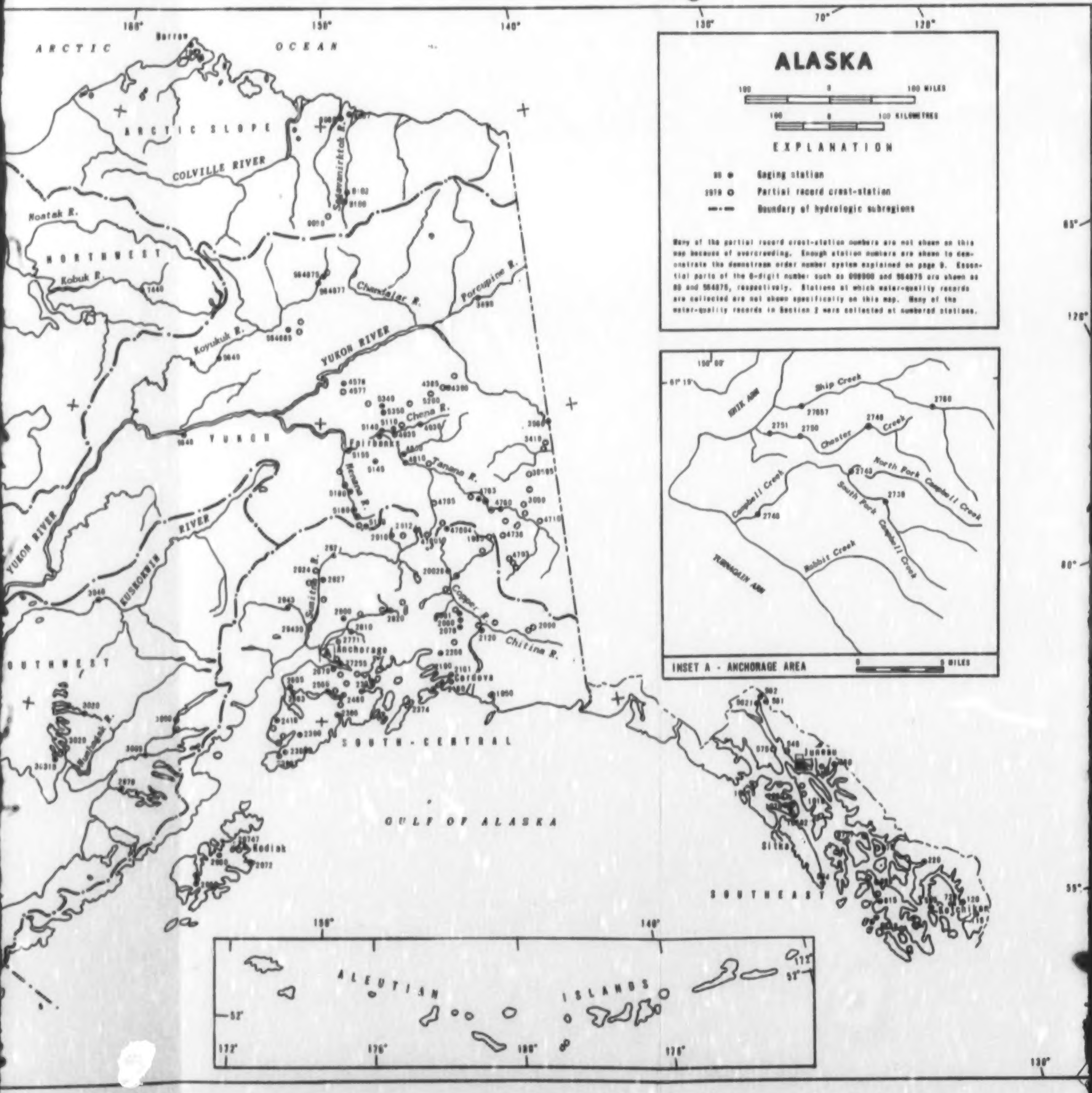

ARCTIC OCEAN
Barrow
ARCTIC SLOPE
COLVILLE RIVER
Sagavanirktok R.
Noatak R.
NORTHWEST
Kobuk R.
Koyukuk R.
Chandalar R.
Porcupine R.
YUKON RIVER
Kuzitrin R.
Nome
YUKON
Chena R.
Fairbanks
Tanana R.
BERING SEA
YUKON RIVER
KUSKOKWIM RIVER
Susitna R.
Copper R.
Chitina R.
Anchorage
Cordova
SOUTHWEST
SOUTH-CENTRAL
GULF OF ALASKA
Kodiak
ALEUTIAN ISLANDS
ALEUTIAN
Lemon Creek Glacier
Lemon Creek
Mendenhall R.
Fish Creek
Gold Creek
Sheep Creek
DOUGLAS ISLAND
GASTINEAU CHANNEL
STEPHENS PASSAGE
INSET B - JUNEAU AREA
0 5 MILES
134° 30'
58° 15'
180°
170°
160°
150°
143°
65°
60°
55°
52°
172°
176°

B


ALASKA
100 0 100 MILES
100 0 100 KILOMETRES
EXPLANATION
00 ● Gaging station
2978 ○ Partial record crest-station
—·— Boundary of hydrologic subregions
ARCTIC OCEAN
Barrow
ARCTIC SLOPE
COLVILLE RIVER
Sagavanirktok R.
Noatak R.
NORTHWEST
Kobuk R.
Koyukuk R.
Chandalar R.
Porcupine R.
YUKON RIVER
YUKON
Chena R.
Fairbanks
Tanana R.
Nenana R.
KUSKOKWIM RIVER
Susitna R.
Copper R.
Chitina R.
Anchorage
Cordova
SOUTHWEST
Nushagak R.
SOUTH-CENTRAL
GULF OF ALASKA
Kodiak
Juneau
Sitka
Ketchikan
SOUTHEAST
ALEUTIAN ISLANDS
INSET A - ANCHORAGE AREA
Ship Creek
Chester Creek
Campbell Creek
North Fork Campbell Creek
South Fork Campbell Creek
Rabbit Creek
KNIK ARM
TURNAGAIN ARM
0 5 MILES

Many of the partial record crest-station numbers are not shown on this map because of overcrowding. Enough station numbers are shown to demonstrate the downstream order number system explained on page 9. Essential parts of the 8-digit number such as 098900 and 564875 are shown as 00 and 564875, respectively. Stations at which water-quality records are collected are not shown specifically on this map. Many of the water-quality records in Section 2 were collected at numbered stations.

Figure 1.--Locations of gaging stations in Alask